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# THE GRAIN GROWERS' GUIDE

Organization · Education · Co-operation

Winnipeg Man

January 22, 1919

\$1.00 per Year



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\* \* \*

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Hereafter we will supply *genuine* Ford parts, not only to our regular Ford dealers, but to every reliable garage which is rendering service on Ford cars. Such garages will become authorized Ford Service Stations. They will display the Ford Service sign.

\* \* \*

The result of this change in policy will be an immediate benefit to Ford owners. Authorized Ford Service will be available everywhere.

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It will be a protection against the damage and expense he might incur through the use of inferior parts in his Ford.

## Look for the Ford Service Sign

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### A WORD TO THE WISE

The editors hope you enjoy reading The Guide. This year will see many important improvements made. We can promise our old subscribers many new, unusual and interesting features, a constant bettering of our service.

During the next few years Canada must solve the trying problems that will have to be solved from the great war. The equitable solution of the reconstruction difficulties will determine the status of western agriculture—no to whether our prairies will be dotted with prosperous farms or the industry stifled by placing upon it an unequal portion of the great burden of debt that has been created. Every farmer should keep posted—The Guide should be a weekly visitor in every home during this period.

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## THE GRAIN GROWERS' GUIDE

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A Weekly Journal for Progressive Farmers.

The Guide is absolutely owned and controlled by the organized farmers—entirely independent and not one dollar of political, capitalistic, or special interest money is involved in it.



Published under the auspices and employed as the official organ of the Manitoba Grain Growers' Association, the Saskatchewan Grain Growers' Association and the United Farmers of Alberta.

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Published by The Postmaster General, Ottawa, Canada, for the Proprietors at 250-252 Main Street, Winnipeg, Man. Vol. XII. JANUARY 22, 1919. No. 1.

### SUBSCRIPTIONS AND ADVERTISEMENTS

Published every Wednesday. Subscriptions in the British Empire, \$1.10 per year, except Winnipeg city, which is \$0.60 per year. Foreign and United States subscriptions, \$2.00 per year. Single copies, 5 cents.

#### ADVERTISING RATES

Commercial Display, 50c, 35c, and 25c, per square line. Literary Display, 25c, per square line. Classified, 5c, per word per issue.

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Ask Your Dealer

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Nation-wide Prohibition in the United States was declared for last week by the ratification by the requisite number of States of the proposed amendment of the national constitution to that effect. The constitutional amendment was adopted by the national congress at Washington, in December of last year. On Thursday last, Nebraska, completing the necessary number of 36 States required for the ratification of the amendment, declared in favor of it.

Ratification, by the requisite number of states, of the federal constitutional prohibition amendment made by the United States the first great power to take legislative action to permanently stop the liquor traffic.

Nebraska's vote gave the necessary affirmative three-fourths majority of the states to make effective the amendment submitted to congress in December, 1917. It was followed by similar action in the legislatures of Missouri and Wyoming, making 35 states in all which have approved of a "dry" America. Affirmative action by some of the ten state legislatures yet to act is predicted by prohibition advocates.

Under the terms of the amendment the manufacture, sale and exportation of intoxicating liquors must cease one year after ratification, but prohibition will be a fact in every state much earlier because of the war measure forbidding the manufacture and sale of alcoholic beverages after June 30, until the demobilization of the military forces is completed.

The Interprovincial Council of farm women is now an accomplished fact. The report of organization and an outline of its objects is given on The Countrywoman page of this issue. The newly-formed Interprovincial of Farm Women realizes the importance of being closely affiliated with the Canadian Council of Agriculture and have forwarded to that organization an important recommendation to that effect.

D. G. Harvey, who wrote the series of articles on "The Fur Traders," which was completed in last week's Guide, has a third article of the series "Great Canadiana," on page 50 of this issue. The article for this week gives a short and interesting review of the lives of Sir Leonard Tilley and Lemuel Allan Wilmet.

The Livestock Market controls the profitable production of meat. There is a grave discrepancy between government propaganda urging increased meat

production and the sudden launching of such an embargo as the western livestock producer, and meat packer as well, is now confronted with. Serious losses have already resulted during the last week and the future is uncertain. Look for the review of the situation on the market page.

The National Standardization of Dairy Products is the biggest scheme for betterment yet advanced in the interests of Canada's dairy industry. When all the provinces as recommended by the National Dairy Conference adopt the uniform high standard for dairy products that was laid down at the Ottawa conference in November last, Canada will rank with Denmark and New Zealand in the world's markets. The Guide is publishing these standards in detail just as they were approved. Dairymen, and all food consumers will be interested in knowing when milk, cream, butter and cheese are what they ought to be and will find this information on page 18.

Farm Women will note with interest the first of a series of articles which are to appear on Farm Women's Club page, written by Mrs. Philby, president of the U.F.W.A. Don't miss reading the first one that appears this week; they will be an interesting series.

Breeding Animals require a little extra care and attention this time of the year and now when every single head counts in fighting famine in Europe, it is more important than ever to know something about the common diseases of pregnant animals and first aid remedies. On page 14 much valuable information is given.

Germinating Seed on page 22 of this issue will be of special interest to those making tests of their seed grain during the coming months. G. McL., from Pipestone, Man., on the same page tells of his experience in growing corn and expresses his idea as to the best varieties for Western Canada.

Next Week's Guide will contain a full report of the convention of the United Farmers of Alberta. The Saskatchewan Grain Growers' convention will be held February 18, 19, 20 and 21.

Labor and Farmers had a get-together meeting in Alberta which closed Friday, January 10. A report of this meeting appears on page 33. This report will be of special interest to organized labor and farmers. Don't miss reading it.

## ASK THE GUIDE

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There have been strong reasons influencing the numerous persons whose applications for protection have for ten successive years, given The Great-West Life Assurance Company the largest Canadian business of all the companies.

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Dept. 2.

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# Europe Wants Our Beef

## Supply Her Now—Prepare for the Future

**I**N Europe 100,000,000 people face either a shortage of food or actual starvation. In many countries the foundation herds and flocks have been sacrificed. It would take many times the total number of cattle, sheep and hogs in Canada to restore Europe's present shortage which amounts to approximately 115,000,000 animals.

### Canada's Opportunity

During the war Canada's meat exports grew by leaps and bounds. We have the opportunity of continuing and increasing our war time exports of meats to Great Britain. Our products have become favorably known in France, Italy and Belgium, and it is likely that new trade connections will be formed. But we must have volume and we must have quality. Canada has the opportunity and Canadians can meet it.

But the question is, will the production of meat products continue to be profitable? The Canadian farmer who pinned his faith to live stock during the ups and downs of the past twenty-five years has prospered. This policy has been proved in the United States, Great Britain, Denmark and many other countries.

Canada has the foundation stock and can produce the necessary feed. Considering the present European conditions, should the future hold any fear for us?

### Competition from Other Countries

Canada's opportunity is equalled by that of no other country. The United States may be regarded as a strong competitor but it is probable that before long her full production of beef will be required again for home consumption. The beef exports of the United States declined steadily from nearly 1,200,000,000 pounds in 1916 until in 1914 to supply home consumption it became necessary to import 300,000,000 pounds. Although it is true that during the war the United States exported immense quantities of beef, that situation was due, largely, to the saving of meat by American people in order that Europe might be fed rather than to any considerable increase in production.

Canada is nearer to Great Britain than any other great beef producing country. Her superior position offers opportunity for the chilled meat trade.

### Develop the Chilled Meat Trade

To realize full market value, chilled meat must be consumed within six weeks of time of killing. If the distance from market be too great, the meat has to be frozen. Frozen meat brings a much lower price than the same quality in a first class chilled condition. Time and distance favor Canada, and these are the deciding factors.

The European situation means that for years there cannot be any danger of over production of beef. Therefore,—

Conserve and build up the herds—improve quality—finish thoroughly.

*Beef and Bacon for Canada's Permanent Prosperity.*



The above map was prepared by United States Food Administration for the Literary Digest and is reproduced by permission.

**Live Stock Branch**  
**Dominion of Canada, Department of Agriculture**  
**OTTAWA, CANADA**

# The Grain Growers' Guide

Winnipeg, Wednesday, January 22, 1919

## More Organization Needed

Since the beginning of the new year there have been some strange signs and portents from the East, in the form of rumors and reports from Toronto, Montreal, and Ottawa, suggesting that big business and the money power are seeing things in a new light and realising that the strength of the organized farmers in their advance against the protectionist system is beginning to look more formidable than they had looked for.

More than once the rumor has come from Ottawa that farm tractors costing less than \$1,400, on which the remission of duty under Order-in-Council expires on February 7, will continue to come into Canada untaxed after that date; and quite as frequently there has been a news item from Toronto about a deputation of the Canadian Manufacturers' Association going to Ottawa to demand the reimposition of the 27 1/2 per cent. tariff taxation on such tractors.

Further rumors are coming from Ottawa about a general reduction of the tariff taxation of agricultural implements to a 12 1/2 per cent. level. But most extraordinary of all are the rumors of the blossoming of free trade ideas in unexpected places—namely, in the minds that control some of the largest and most powerful manufacturing industries, who are realizing that with the increased efficiency which the war years have brought and the heavy profits of those years, they are strong enough not to be afraid of the competition of United States manufacturers, and if continental free trade were established could do a great business in the United States market. The smaller manufacturing industries, the reports go on to say, see only ruin for themselves in such a possibility—they want their present security continued.

But the best informed reports from the East say that these visionings of continental free trade are not to be considered seriously. They are not within the region of practical politics. The only thing to be taken as certain is that the interests which are the beneficiaries of the existing system of high protectionism are not going to give up any of their privileges and advantages willingly.

They realize that the organized farmers are beginning to have a formidable appearance. It is for the farmers of Canada, by more organization, to make themselves formidable in fact as well as in appearance, in their united fight for a square deal. They will never gain any ground without fighting for it.

## Sir John and the Tariff

Sir John Willison, the propagandist of reconstruction (with a capital R) and protectionism, is now writing articles in the Central Star in defence of the high tariff which enables his friends of the Canadian manufacturers' Association to amass such large amounts of wealth at the expense of the masses of plain, ordinary Canadians who cost of living the tariff makes so high. In a recent article he writes:—

The tariff may be imperfect, but to talk, as some do, of "a 42 per cent. tariff" is mischievous nonsense.

He knightly propagandist of protectionism, unlike the knights of medieval times, do not have to go around clothed chiefly in rags. Our Canadian winter climate is times rigorous, even in the most favored parts of Eastern Canada, and makes the wearing of woollen clothing necessary. Sir John, no doubt, is not at all troubled over the

price of woollen clothing; but there are many Canadians who are not so fortunate as he is.

Woollen underclothes and woollen outer apparel and the fabrics from which they are made are taxed 35 per cent. on coming into this country from Great Britain, and 42 1/2 per cent. when they come in from other countries, such as the United States or France, to which the "general" tariff applies. By a stroke of governmental humor, which greatly appreciated by Sir John's friends of the Canadian Manufacturers' Association, the tariff on goods from Great Britain is officially termed the "preferential" tariff. But actually, of course, both the "general" and the "preferential" tariffs are, as they are meant to be, very materially effective as a wall against importation, for the protection of the Canadian makers of winter clothing.

If Sir John had said that it is not true that all the customs taxation is at the rate of 42 1/2 per cent., he would have been within the mark. But many necessities of life in Canada are taxed at that rate.

## The Canadian National Railways

D. B. Hanna, president of the Canadian National Railways, made a public statement when he was in Winnipeg recently, in which he spoke confidently of the future of that collection of railway lines which the Dominion has taken over. He made it plain that he does not look for any reduction of railway rates. And the newspaper report of his statement continues thus:—

We mean to make the people of Canada proud of their property. In operating the 14,000 miles of Canadian National Railways, we feel that we are administering a trust, and intend to demonstrate that a government-owned and government-controlled railway, operated without political bias, can be made profitable.

In another newspaper interview during his stay in Winnipeg, Mr. Hanna, who was one of the heads of the Canadian Northern from the beginning of that system and enjoys a reputation as a competent railway man, argued at length against the taking over of the C.P.R. by the country. The arguments he advanced against public ownership of the C.P.R. were singularly feeble. They most certainly did not add to Mr. Hanna's reputation as a man of intellectual calibre. That a man holding the position he now does should argue against public ownership is surely an extraordinary performance.

Nothing can be plainer than that Canada's publicly-owned railway system would stand a vastly greater chance of being profitable if, instead of being made up only of the lines which have failed to be profitable, it included also the highly profitable C.P.R.

## The United States Railways

Journals in Toronto and Montreal which serve the purposes of Canadian plutocrats are working overtime in zealously misrepresenting the results of one year's government operation of railways in the United States as furnishing an unanswerable case against public ownership. They are loud in their expressions of horror at the deficit of \$136,000,000 piled up; but they have nothing to say about Mr. McAdoo's estimate of a surplus this year as large as last year's deficit, if the volume of traffic continues as large, and the costs of fuel and supplies are no greater.

The opponents of public ownership in this

country, like those in the United States, also find it convenient to ignore the unprecedented chaos into which the whole railway situation in the United States had fallen when the Washington government had to take hold and undertake to turn that chaos into order. The greatest congestion in all history had been created, the financial condition of some of the companies was as serious as to imperil the general financial situation in the United States. The country was threatened with an almost complete stoppage of transportation.

The change which Mr. McAdoo has brought is almost miraculous. For several months there has been no stringency in transportation, though the traffic has been unprecedented. The whole case for centralized control could not be more clearly and forcibly stated than in these words of Mr. McAdoo, which are applicable in this country as they are in the United States:—

Competition and self-interest dictate that when the roads are under private control each carrier get as much business as possible and keep it, regardless of the fact that the aggregate result may be wasteful and uneconomical.

The United States Congress must decide soon between a return to the old conditions of private ownership, a continuance of Federal control, or Federal ownership. Mr. McAdoo advocates an extension of Federal control for five years; a shorter period, he says, will not give a fair test. Says the New Republic, of New York:—

It is hard to see what legitimate railway interest is compromised by Mr. McAdoo's proposed five-year extension. The net return which the roads have been guaranteed is a fair one. It is more than the railways would be likely to earn if restored to their previous conditions of operation. What the companies will get back, after the five-year period, will be properties decidedly improved physically. The government would not think for a moment of letting the railways fall to so low a state as was often tolerated under private control. The need for unification will have been made apparent to the whole public, and that will simplify the political problem of securing relief from the anti-combination laws. State control, so long as abeyance, can hardly again be carried to the point of embarrassing the national system. With all these possible advantages from the five-year extension, why do the railway owners oppose it?

The attitude of the railway owners of the United States is plainly due to their fear that a five-year test will lead to government ownership. They realize that actual gains from unified operation will mean reduced rates, instead of increased profits to themselves, which they could make use of to hoist the values of railway securities.

## Taxing Corporation Profits

The Senate and House at Washington have agreed upon a 15 per cent. income tax on corporations for the year 1919, and a ten per cent. tax thereafter. In contrast with the United States, this country has been slow in imposing war taxation upon the profits of corporations.

While Great Britain and the United States—like every other country involved in the war, except Canada—levied war taxation mainly upon property and income, the war taxation in Canada has been levied mainly upon consumption. The Dominion legislation which imposed the war profits' tax resorted to at last in this country provided also that it is to cease this year. The income tax law on the Dominion statute book will apply to corporations.

Thus far, in the levying of taxation in



Canada for raising the needed national revenue the fundamental principle of justice in taxation has been disregarded. That principle is that tax burdens should be adjusted in proportion to the ability to pay. In this country the burdens of taxation have fallen heaviest upon the mass of the people, the producers and consumers. Taxes have been levied upon the necessities of the many and not upon the superfluities of the rich.

The income tax has come to stay in Canada. The business profits' tax must surely be regarded likewise as destined to continue. Direct taxation must be used more and more; the plain necessities of the situation make that inevitable. In levying direct taxation upon income, just regard must be paid to the distinction between earned and unearned incomes—between the wages of work and the profits of capital.

Thus far, business profits have been too tenderly spared in this country. Justice demands that hereafter they bear their full share of the national burden.

### Armour & Co. in Uruguay

It is not usual to look to South America for outstanding examples of progressiveness in governmental methods and care for the public welfare. Yet there are some of the South American governments which do things that might well be studied to advantage in this country. Consider, for instance, the manner in which the government of Uruguay has dealt with the great meat-packing corporation of Armour & Company, of Chicago, as set forth in the official report of William Dawson, the United States Consul at Montevideo.

Consul Dawson states that the contract has been signed between a subsidiary company of the Armour corporation and the Uruguayan government for the conversion of a customs warehouse into a cold storage deposit for handling chilled meats and other products shipped in transit by the Armour plants in Brazil. The contract stipulates that the company is to expend at least \$570,000

on installation and machinery. The warehouse will be used for ten years by the company, at the expiration of which time the government will have the right to cancel the concession and purchase the entire property at a price to be fixed by appraisement, but not to exceed \$413,600; otherwise, the concession shall be extended for another ten years—subject, however, to expropriation under the conditions just mentioned. After 20 years the installation and equipment shall become the property of the state, without charges of any kind.

The idea of a meat-packing corporation being treated in such a way by government is enough to cause violent expressions of indignation in certain quarters of Canada. Should such Uruguayan ideas of governmental action with regard to meat-packing corporations or other corporations find their way in general acceptance in this country, it would grievously sadden the hearts of some of our most eminent Canadians, including certain wearers of titles.

### A Cool Assertion

In connection with its setting forth of some of the plans for the operations to be carried on by the newly-established Ottawa headquarters of the Canadian Manufacturers' Association, the Financial Post, of Toronto, after mentioning the securing of orders for the manufacturers by the government and the provision by the government of credits, says:—

It may quite possibly be that Canada will be in the position of having to subsidize steamers for the development of export markets, but such a service to the manufacturer would only be on a par with the maintenance of inland water and rail transportation services which are largely for the benefit of the farmer in the marketing of his products, and which have been estimated to represent an expense to the ratepayer of between three and four cents per bushel on every bushel of wheat sent to the price-setting market at Liverpool.

This cool assertion that the railways of Canada and the inland water transportation

systems were created mainly for the benefit of the farmers of Canada, and are maintained mainly for the benefit of the farmers, is quite on a par with many other statements made in journals which pander to the plutocratic mind and give what help they can towards the realization of the plutocratic plans and purposes. The manufacturers of Canada make equal use of the inland transportation systems of the Dominion, rail and water, with the farmers, for the carrying of their raw materials, their fuel and their other supplies, and for the shipping of their finished products to the various distributing centres of trade throughout the country.

The Toronto financial journal, from which the foregoing extract is reprinted, was loud in its clamors in 1911 against giving the grain and livestock products of the farmers free access to the market to the south. Its opposition was based on the plea that it was vitally necessary to the national and the Imperial safety that trade should move east and west, so that the business, financial and manufacturing interests of Eastern Canada could derive benefit from the agricultural development of Western Canada and supply Western Canada with manufactured articles.

### A National Waste

A scheme is being promoted for the construction of an automobile highway from Halifax to Vancouver. The bill is being brought before parliament to provide \$10,000,000 to spend in this highway. There is merit in the proposal to have such a highway through the populated districts. But why money should be wasted in building an automobile highway through the barren region north of the Great Lakes we cannot understand, particularly when money is short. We have wasted enough public money in unprofitable railroads through that district without wasting any more in unprofitable highways. The handful of tourists who would use the motor highway may just as well go by the south. We will risk any damage to their loyalty by tossing through the republic.



THE PARLIAMENT OF CANADA AS CERTAIN OF THE BIG INTERESTS WOULD HAVE IT.



# MR PEPYS IN THE WEST

Party Politicians Working Basely to Revive the Old System—Sir Vincent Waves Away a Contrast

“Sagacious beaver doesn't pause any tom-toms to draw attention to what he is doing. In that most interesting book, 'The Canadian Beaver and His Habits,' by Horace T. Martin, I have been reading that it is all but impossible to see the beaver at work, so shy and elusive as an animal is he, and for the most part nocturnal in his habits.”

“Well,” said Snagsby, “so in the politician's nocturnal in his habits a good deal of the time, and does his work on the quiet. It is only when he is busy stirring up the party spirit that he makes a lot of noise, war-dancing and boasting loudly about the record of the 'grand old party,' and bawling scorn and defiance at the other party.”

## The Political Circus

And after that Tankerton and Snagsby began to tell reminiscences of politics and politicians, while I listened, and wondered to myself if in the time to come the game of party politics would continue to go on as in the past, with politicians on both sides as the

reflection that there could be no more monumental proof of the absence of the influence of real, alive, vigilant democracy upon the governmental system of Canada than stands out in the fact, “given as a mountain, open, palpable,” that the war-time taxation in this country has been levied in such a manner as to burden most heavily the mass of the people, while sparing with tender solicitude wealth and its profits.

## Professor Skelton's Table

This has been set forth with scientific accuracy by Professor O. D. Skelton, of Queen's University, in a bulletin entitled “Canadian Federal Finance,” which forms one of the series of valuable bulletins on various subjects coming from Ouel University of Kingston, Ontario. The accompanying table, reproduced here from Professor Skelton's bulletin, shows very strikingly the extraordinary contrast in fiscal policy there has been between Canada, on the one hand, and Great Britain and the United States, on the other, during the years of the war.

## Comparison of War-time Taxation

CANADA					
Year	Total Revenue from Taxes in Millions of Dollars	Taxes on Property Income Amount	Per cent.	Taxes on Consumption Amount in Millions of Dollars	Per cent.
1913-14	127	—	—	127	100
1914-15	97	—	—	97	100
1915-16	134.8	3.3	1	131.5	99
1916-17	174.7	13.9	8	160.8	92
1917-18	198	22.6	11	175.7	88

UNITED KINGDOM					
Year	Total Revenue from Taxes in Millions of Dollars	Taxes on Property Income Amount	Per cent.	Taxes on Consumption Amount in Millions of Dollars	Per cent.
1913-14	188	78	41	110	58
1914-15	190	101	53	89	47
1915-16	291	102	35	189	65
1916-17	514	200	39	314	61
1917-18	623	403	65	220	35

UNITED STATES					
Year	Total Revenue from Taxes in Millions of Dollars	Taxes on Property Income Amount	Per cent.	Taxes on Consumption Amount in Millions of Dollars	Per cent.
1913-14	750	125	17	625	83
1917-18	4,316	831	19	3,485	81
1918-19	9,557	3,754	39	5,803	61

ringmasters of the show, having one and the same purpose ever in mind, namely, to excite the ordinary, average citizens by catchwords and banners and lead flap-doodle and appeals to sentiment and prejudice and so delude him into making a monkey of himself. And what for? For the maintenance of a system which, no matter which of the parties has been in power, has been based not on principles of economic and social justice and of equal rights for all and special privilege for none, but on seeking advantage to the few at the expense of the many.

After Snagsby and Tankerton went home I continued in the same train of thought, until I came at last to the

A leading article in the London Times a few weeks ago said that the main bulk of the war taxation in Great Britain had been levied upon the well-to-do. This is made plain in Professor Skelton's schedule. The war taxation in Great Britain levied additional imposts on incomes and property; the only other articles of consumption taxed, or further taxed, for purposes of raising war revenue being tea, coffee, sugar, tobacco, liquors, dried fruits and gasolene.

## A Truly Shameful Contrast

Canada, on the contrary, levied the main bulk of war taxation on imported articles of consumption, chiefly necessities. Profit taxes came later, and in-

come taxes will this year be a feature of the budget of the Canadian minister of finance for the first time. But profits tax and income tax revenue, as Professor Skelton points out, constitute only 11 per cent. of the whole.

Canada has only one-sixth of the population of Great Britain, but the Canadian taxes on consumption in 1917-18 actually exceeded the British taxes on consumption, which the Canadian taxes on property were less than one-twentieth of the British taxes on property.

## Sir Vincent Waves the Contrast Away

It is interesting to note, in this connection, that Sir Vincent Meredith, president of the Bank of Montreal, in his address at the annual meeting of the shareholders of that institution last month, undertook to wave away, with a sweeping gesture, the contrast between Canada and other countries in this matter of the heavy burdening of the great body of producers and consumers, and the very light burdening of capital and its earnings.

“Taxation,” said Sir Vincent, in that address, “cannot easily be lessened, and may be increased. A levy on capital advocated in some quarters, must only result in the stifling of individual incentive and enterprise, and the penalizing of industry, self-denial and thrift. Taxing capital to the point of unemployment in industrial enterprise would involve unemployment of labor and produce serious consequences. If placed principally on consumption, the burden of taxation is distributed. In this connection, it may be pointed out that comparison, frequently made, of our taxation with that of Great Britain ignores the incidence of customs duties, restricted in Great Britain but supplying a large part of the public revenue of Canada.”

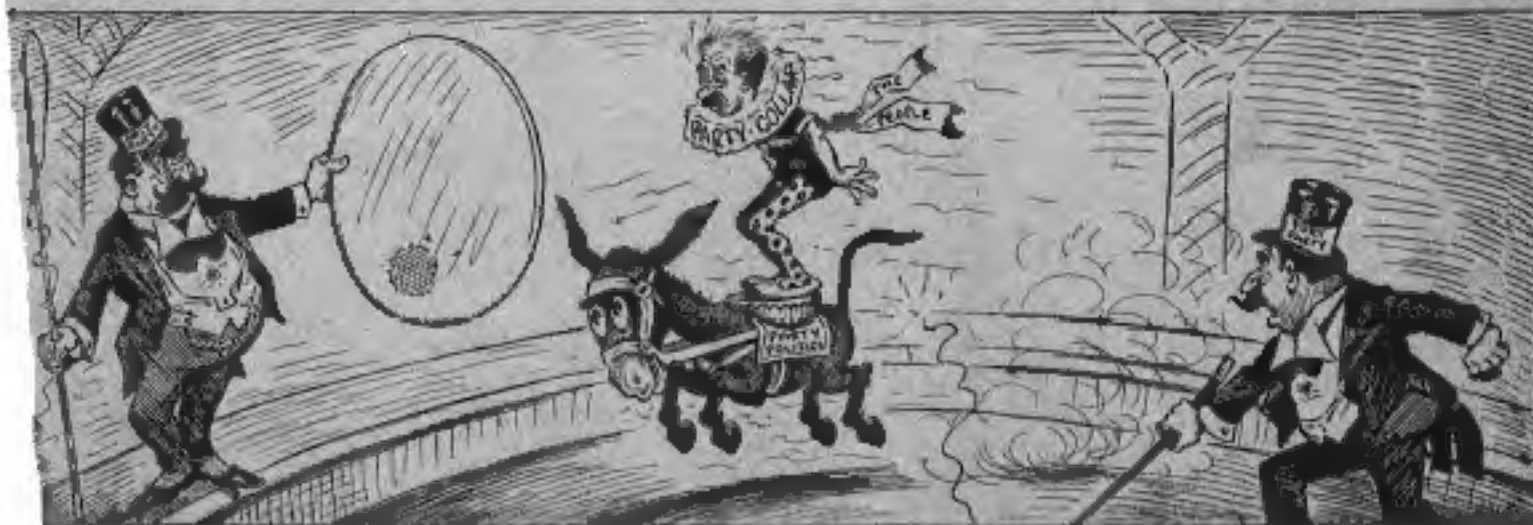
Thus Sir Vincent proclaims himself a staunch believer in the doctrine that “whatever is, is right.” He takes the attitude that when he points out the fact that an unjust system of taxation is actually in operation in this country, he is making a completely crushing reply to those who point out that it is an unjust system.

## A New Order is On the Way

Ever Sir Vincent Meredith will have to awake to the fact that the necessities of a sane program of reconstruction will force the abolition of the injustice of “the incidence of customs duties in Canada,” which burdens so shamefully the great mass of the people, and burdens most shamefully the average Canadian who has a family to support.

Instead, the public revenue needed for carrying on the government of the country and for bearing the cost of the war will have to be raised in a very large measure by direct taxation of unimproved land values, including all natural resources, by a graduated personal income tax, by a graduated inheritance tax on large estates, and by a graduated income tax on profits, as set forth in the Farmers' Platform.

W.J.B.







Putting up Telephone Wires Under Fire. What is it worth a day to do this job?

"SAY," Wally whispered hoarsely along the trench, "what time is it, anyhow?"

A voice answered from the dark: "Half past two. Keep quiet, and go to sleep."

"What? You mean to say we have been here only an hour? Boy howdy!" And muttering to himself he settled down again. Huddled against the dirt wall with his arms wrapped round his knees he closed his eyes. His head sank slowly forward on his chest, a gentle purring sound issued from his nose, and he was off to bye-bye.

The company were in the jump-off trenches, about a hundred yards behind the front line. Late the previous afternoon they had come up in trucks from a village thirty kilometers back, laughing and whooping as they careened along the roads, and at one-thirty they had entered the newly dug positions. They would go over the top for the first time in the pale gray of dawn. Yet they slept. They slept, curled up on the floor of the trench or with their backs urched against the side, as soundly as they had done in rest billets. Death would come in many with the rising of the sun, but nobody stayed awake to worry over it.

The night was calm. There was no moon, but myriads of stars powdered the sky. Army off on the horizon at their left sheets of flame engaged like heat lightning, and from them came a faint sullen booming as of heavy surf—the artillery was rising hell somewhere to the north.

But all was so peaceful as a country lane in Wally's sector; not even a machine gun had barked since their entry. It was hard to believe that thousands of men lay on their arms a few feet below the surface of the ground, waiting for daybreak to rush and kill.

A soldier stirred uneasily in his sleep, muttered some unintelligible gibberish and stretched out his legs. One heavy, groping foot poked Wally under the ear and he woke up, very peeved.

"Why the Sam Hill can't you leave a guy sleep?" he inquired in a hoarse undertone, rubbing his mouth with the back of his hand, for he had drooled. "Getting no reply he asked: 'Say, what time is it now?'"

An officer told him: "Three o'clock. Cut out that talking."

Wally eased his cramped back and legs, and settled once more to slumber. It seemed to him that he had barely shut his eyes when the shriek of a shell sounded overhead. A moment, and a flock of them were streaming toward the American batteries far in the rear. Mingled with the rending crash of high explosives was the muffled report of gas shells. The bodies were going after our gunners with mustard, mixing the shells with heaves in order to drown their telltale "pump!"

#### The Night Before the Attack

Wally sat up straight and sniffed the air. All the men in the jumping-off trench were wide awake now. Somebody yelled "Ooo!"

## The Zero Hour

### A Soldier's Experience in that Lifetime that Clusters Around the Moment When the Order Comes to Go Over the Top—By George Pattullo

(Courtesy Saturday Evening Post)

"Will we put on our masks, lieutenant?" The officer tilted his nose this way and that. A soft breeze was blowing in their direction from the battery positions, but the odor it carried was very faint.

"No; it isn't necessary," he answered; and Wally relaxed. Some of the soldiers, nevertheless, donned their masks, but presently discovering those who didn't showed no ill effects they removed them. And in a short while the firing ceased.

"Please, lieutenant, what time is it?"

"Three-forty-five. Cut out that talking."

Hours of waiting, represented on a watch dial by ten minutes, and: "Say, lieutenant, ain't it about time now, sir?"

"Not four yet. I'll tell you when to get ready."

Wally could not sleep. For one thing he was thirsty, having had nothing to drink since four o'clock the previous day; for another, he was longing for a smoke. His throat fairly throbbled with the craving yet he had to deny himself that solace. There could be no smoking until daylight; and as for water, their sole supply consisted of what the men carried in their canteens, and that was to be used only in emergency.

Great as was his present need he knew that the canteen might have to suffice

rouned and muttered: "Gee, I was having a swell dream. At a picnic, and the girl says 'Have some more of this ice cream, honey.' The band was playing—Say, what time is it now?"

As though in answer to the query the whole sky behind them suddenly erupted flame and the earth quivered under the shock of three thousand guns opening in chorus—the American artillery had commenced a smothering fire on all the enemy positions. They were pummeling the German trenches; they were smashing the villages of X and Z into powder; with gas and heavier they were trying to paralyze every battery that covered this sector. The battle had opened.

"My watch is wrong, hey?" cried the sergeant triumphantly, close to Wally's ear. "Take a peek at that. Regard! Right to the second. Five o'clock! Wow, ain't that music?"

The upper air seemed alive with devils. They whispered and whistled, they whimpered and wailed, they shrieked. The big fellows went rushing overhead with a sound like a fast train on a still night. Others gave off a doleful, anxious whine, almost like a dog in sight of its quarry, but worried over it. And from in front came a rapid series of splitting detonations.

Pebbles and bits of dirt rained from the



Tanks passing dead Germans who were alive before the Cavalry advanced a few minutes before the picture was taken.

for forty-eight hours, so he quailed and endeavored not to think about it.

One form of relief remained—he could ask the hour. He did so half a dozen times in fifty minutes, with the result that a sergeant wanted to know what the blue blazes Wally took him for, anyhow? The latter retaliated by questioning the accuracy of the sergeant's watch.

"I bet you she's stopped. Bet you five francs!"

The noncom held it to his ear to listen. "No she ain't, either. Going fine. I tell you she's right to a second. All our watches was synchronized before we come up."

That settled it. Wally hadn't meant a suspicion of what "synchronized" meant, but it sounded final, so he held his peace.

And gradually he dozed. His rest was fitful, broken by nightmares. Once he

walks of the trench, and the men there could see the vibration—steady, continuous. Wally reared himself for a look over the top. What he saw was a wide expanse of darting flashes, a wall of fire made up of innumerable bursts. Directly opposite there seemed to be a volcano in eruption. It was the village of X, belching flames and smoke. The outline of its rooftops and roofs showed vividly at every flare, and Wally could distinctly see the church tower, as yet untouched.

Half in awe he said: "Holy mackerel! Maybe we ain't givin' 'em hell!"

The men round him were now taking ready, and dawn was breaking. A pale shiver in the eastern sky, a few golden streaks, and presently they became aware that the earth was completely shrouded in low-hanging mists. From a clump of trees on their right came the notes of a bird.

#### The Bombardment

Was it the chill of early morning or the tension of waiting that made Wally tremble? Probably both; but he was shaking like a leaf, and glanced cautiously about him to see how the others were taking it.

Nearly all looked wan and drawn, like men badly in need of sleep. There was a sort of damp pulse about their faces, and he noted each soldier avoided meeting the other's eye. Only weather-beaten old Smith seemed as usual, grizzled and glum; but then this was a familiar business to him, and, moreover, he had a skinful of cognac.

They were puffing on limp cigarettes and hardly any of them talked. When they did it was in monosyllables and jerkily. Smith got off a joke, but earned only a sickly smile from the man nearest him.

Did they all have colds? Everyone was clearing his throat or coughing. Scarcely anybody sat still; they either fiddled with their accoutrements, fussed and inspected for the hundredth time, or shifted their feet, moving aimlessly this way and that. A few squatted on their haunches and stared at nothing.

"Say," inquired Wally in a voice that sounded reedy and far away in his own ears, "ain't it about time now?"

"Fourteen minutes yet," answered the lieutenant. "I'll tell you in lots of time. And remember, men—when you get the command to fix bayonets I want you to keep them down, so they won't show above the trench."

The artillery was still pounding away as though it had nothing else to do and meant to keep it up all day. Watching through an indentation in the top of the trench Wally saw a chunk torn out of the middle of the church spire in X. Dust and bits of stone geysered from it; the spire teetered poised a moment and then came tumbling down. The walls followed, as shell after shell tore through them. The village was being wiped out.

When the mist lifted momentarily he caught a glimpse of the bombardment. Shells were spattering all along the German front. First came the leaping flash, then a smother of dirt and dust and debris and a column of smoke. At one point far back rose dense clouds of it, with sullen flames below. Evidently the American fire had set ablaze a dump of some kind. "Somehow it ain't so loud as I expected," Wally remarked, wonderingly to the man next to him, but the other paid no attention.

It was now broad day and everybody was gazing toward the lieutenant. That officer was gazing at his watch. He seemed perfectly cool, but a trifle grim for a boy of twenty-two.

"Ain't it near time, sir?" asked a sergeant, licking his dry lips. For answer the lieutenant barked out an order to fix bayonets. Clang! Clickety-rick-clang! A resounding clangor swept down the line as they drove the bayonets home. The flash of them above the trench must have been visible a mile away. One more they waited. They waited with quickened breath and fast-beating hearts trembling like dogs in leash. For an hour was at hand; they all knew it.

Suddenly a great fear lay hold of Wally.

Continued on Page 27



Canadian Cavalry waiting in a Wood waiting for the order to advance. The Tanks are in front clearing out Machine Gun positions.



# The Why and How of Crop Rotation

## Results of Eight Years' Experiments at the Brandon Experimental Farm—By W. C. McKillican, Superintendent

applied at any time. This rotation has the fallow for a cleaning season, has three cash crops, but no fodder crop unless the oats are used in that way, and no leguminous crop. By means of the fallow it conserves moisture and makes plant food more readily available for the crop that follows, and attempts at least to control weeds. It makes an attempt to return anything to the soil, so that gradual depletion and increased tendency to blow are the inevitable results. During the time that prairie soils are giving up their virgin fertility, good results are obtained from this rotation, but it cannot continue indefinitely.

**Rotation D.**—This rotation has exactly the same order of crops as E, but has this difference, that once in four years an application of manure is given. This manure should help to keep the soil from so rapid exhaustion as where there is none applied. However, in the actual results at Brandon the increased returns from the manure have not as yet been sufficiently great to pay for the cost of application. It is expected that greater comparative returns from the manure will be obtained after the cumulative result of longer application is felt.

### A Well Balanced Rotation

**Rotation E.**—1st year, wheat; 2nd year, wheat; 3rd year, corn; 4th year, oats or barley (seeded down); 5th year, hay (clover and grasses). This rotation fills the requirements stated in our introduction about as well for Manitoba conditions as any. Two crops of wheat and one of oats or barley make a good proportion (three-fifths) of the land in grain crop, the cash crop of Manitoba. The year of corn provides a cleaning season and also a large amount of fodder. The year of hay adds to the fodder supply and includes a leguminous crop. The hay land plowed in July and well cultivated makes a very good preparation for wheat. The corn land makes a good preparation for oats or barley and also for the grass seed sown with these crops. The proportion of corn is too large for most Manitoba farms, but this could be reduced in actual practice by having the field partly in corn and partly in summer-fallow. Manure is applied before the corn crop in this rotation.

This rotation has given very good results at Brandon. Not only does it provide for the maintenance of the soil, but it is giving greater present returns than those obtained from D, and E.

The average profit per acre of this rotation for the five years—1904-1908—was 81 per cent. greater than that obtained from the straight grain growing rotation.

### The Most Profitable Rotation

**Rotation G.**—1st year, wheat; 2nd year, wheat; 3rd year, oats or barley; 4th year, hay (clover and grasses); 5th year, pasture; 6th year, corn. This rotation is somewhat similar in character to the last one. It includes the same kinds of crops, but changes the order somewhat, the wheat coming after the corn instead of after the hay and the coarse grain crop following the wheat instead of coming after the corn. This arrangement makes an excellent and extremely profitable wheat crop, but it gives less suitable conditions for seeding down. It gives better conditions for corn (on soil) than the other where the corn follows the wheat. It has a year of pasture, and in that differs from F, which makes no provision for pasture. Manure is applied for corn as in F.

This rotation has also given very good results at Brandon. Its average profit for five years exceeds that of the straight grain growing rotation by 155 per cent.; it has been the most profitable rotation tried on the farm. However, seeding down with the third crop of grain would not be successful in all parts of Manitoba and that feature might rule it out in some places. The large proportion of corn would also have to be modified in actual farm practice as in the preceding rotation.

### Rotations Without Corn

**Rotation H.**—1st year, wheat; 2nd year, wheat; 3rd year, fallow; 4th year, oats; 5th year, hay (clover and grasses); 6th year, pasture; and—

**Rotation I.**—1st year, flax; 2nd year, oats; 3rd year, fallow; 4th year, wheat; 5th year, hay (clover and grasses); 6th year, pasture.

These two rotations are very similar in type, the only difference being a change from wheat to flax as the first crop and the interchanging of the wheat and oat crops. They differ from E and G in that they do not include corn, but keep to the summer-fallow as the means of cleaning the land. They include fodder and leguminous crops and are therefore more permanent in their character than rotations E and D. Manure is applied on the pasture and plowed in.

These rotations have been more profit-

able than E and D, but not so profitable as F and G. On the other hand, the absence of corn makes the labor problem more easily handled than where corn is largely grown. Taking E as the standard again, rotation H has beaten its profits on a five-year average by 42 per cent., and rotation I has done a little better.

### A Rotation for the Dairy or Stock Farm

**Rotation W.**—1st year, wheat; 2nd year, wheat; 3rd year, corn; 4th year, oats; 5th year, barley; 6th year, alfalfa (sown alone); 7th year, alfalfa; 8th year, alfalfa; 9th year, alfalfa; 10th year, alfalfa plowed up after first cutting.

This rotation is intended not for an ordinary mixed farm, but for a dairy or pure-bred stock farm where the production of a large amount of high class forage is more important than wheat. It includes all the requirements of a permanent rotation and should build up the fertility of the land more than any of the others. Manure is applied twice in the circuit, for corn, and at a top dressing on alfalfa.

Being so long, it has not yet a proper start as compared to the other rotations. Its profit per acre for the same five years exceeds E. by 145 per cent., being second only to rotation G in profitability. The indications are that it will soon take the lead.

### Observations on Rotations

From observing the results obtained from these rotations and farming conditions in Manitoba generally for a number of years, the following conclusions among others have been reached:—

1. A good mixed farming rotation not only provides for the future condition of the soil, but it gives a larger per cent. profit than straight grain growing.

2. Corn is an exceedingly valuable rotation crop, not only for its fodder value, but because the grain crop following it is the most profitable on the farm.

3. It is impossible to control soil blowing and wind oats by a straight grain and fallow system, no matter how well you cultivate. Grasses control both satisfactorily.

4. The longer the start of mixed farming is postponed the more difficult it is to start.

5. The most profitable way to use grasses is in a wheat rotation. Left in and long they become unproductive and hard to break up.

6. There is no best rotation for all farms. Each individual case must be studied by itself and a rotation devised that will suit the kind of soil, the degree of weed infestation, the rainfall that may be expected, the convenience to market of the farm, and the plans, opportunities and limitations of the man who operates the farms.

**T**HE object of growing crops in a rotation may be stated briefly as follows:—

1. To systematize the arrangement of the crops and fields on a farm so as to provide for a desired area of each crop each year.

2. To arrange crops in such an order as to ensure the production of the largest and most profitable yields at the least cost.

3. To hinder the multiplication of weeds, insects and plant diseases by frequent change from one type of crop to another.

4. To provide opportunity for the eradication of these pests by having cleaning seasons at regular intervals.

5. To prevent the depletion of soil fertility and the destruction of the physical condition of the soil by including such crops as will directly or indirectly store fertility and organic matter in the soil.

### What a Rotation Should Include

In order to attain these objects, a rotation should include:—

1st—A cash crop, i.e., a crop that is readily convertible into cash and the growing of which is reasonably sure of being profitable.

2nd—A cleaning crop or fallow, in order that there may be a season in which special attention is given to cleaning the land.

3rd—A fodder crop; the keeping of livestock is practically a necessity for the working out of a good rotation, or, if livestock are impossible, then a green manure crop should take the place of the fodder crop. These crops restore the vegetable fibre to the soil.

4th—A leguminous crop; no permanent system of agriculture has been evolved that does not include the growing of at least one crop that belongs to the group known as legumes and including clovers, alfalfa, peas and beans as its principal members. They restore nitrogenous fertility to the soil.

A rotation may have several crops belonging to one of these groups or one crop may combine the functions of two of the groups, but all these four functions should be combined in a rotation that is to be permanently successful.

At Brandon Experimental Farm we have for the past eight years been trying out a few rotations to discover which is best suited to our conditions and to find out some general facts in regard to crop rotation.

The rotations under test are as follows:

### Typical Grain Farming Rotations

**Rotation E.**—1st year, wheat; 2nd year, wheat; 3rd year, oats; 4th year, fallow. This is the typical grain farming rotation of Manitoba. No manure is



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THE GRAIN GROWERS' GUIDE

BOOK DEPARTMENT

WINNIPEG, MAN



# Manitoba Grain Growers

Published by the

Conducted Official for the Manitoba Grain Growers'

by the Secretary

W. R. Wood, 306 Bank of Hamilton Bldg., Winnipeg

They have a  
life released from  
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veal joys. V&V

The Journal of the Day

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# Saskatchewan Grain Growers

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**Wang, Zhenzhen, and J. L. Anderson**

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— Mr. Thompson



# United Farmers of Alberta

Second Quarter

of A. H. Morrison,  
remarks as follows:

C

of the United Farmers of Alberta

## Loos Battle Annual

The annual meeting of the Loos Battle local, held Sunday, December 21, was one of the most interesting

the furniture disease has  
only made the suprem  
distant and the O.P.  
general, have lost a valuable friend

W. F. A. Smith

A. H. Morrison, M.P.

of the United Farmers of Alberta

of the United Farmers of Alberta

of the United Farmers of Alberta

of the United Farmers of Alberta

## Loos to Edmonton

H. B. Spence, director of the Battle



of the United Farmers of Alberta



PROUTYS

of the United Farmers of Alberta

of the United Farmers of Alberta

## Harness Leather

of the United Farmers of Alberta

of the United Farmers of Alberta

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## Custom Tanning

of the United Farmers of Alberta

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## EGGS

of the United Farmers of Alberta

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She got the job done, plus the new's there

# First Daisy Through Old Dutch Cleanser

It is the most economical than soap or any other cleansing material. Use Old Dutch for cleaning everything throughout the house—it lightens labor.



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The Wright Farm

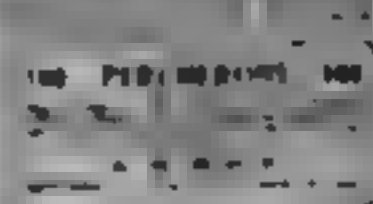
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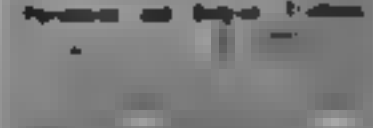
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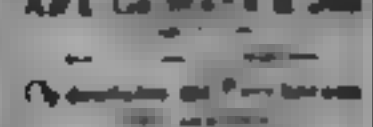
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Wired every day



Wired every day



Wired every day

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City of New York and New Jersey



# For Your Winter's Supply of Vegetables

**T**HERE is but one material that you can use to build a root cellar—that material is Concrete. There is but one Book that can be relied upon to know about Concrete, and simple directions for using it.

book are of untold value to him. If you contemplate the building of a root cellar that will winter long—get this book. If you think of building anything of Concrete—from a silo to a fence post—get this free book.

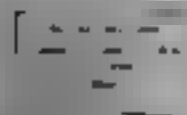
FOR THE CONCRETE FARMER, GARDENER, AND HOME BUILDER



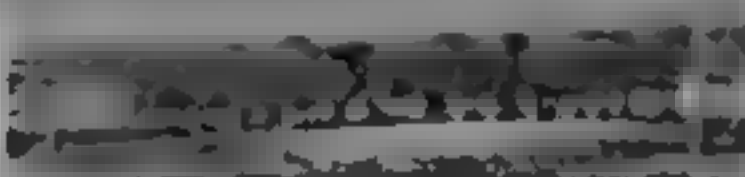
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WORLD RAW FURS NEW YORK



See sample to



See where they happen to be and not to their superiority over other breeds as seems to be implied. About one year ago the Suffolk and also the Devonian were

...the world where the best value is found.

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Buy raw furs and hides from the world's largest fur dealer.

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Importers of

**Percherons, Clydesdales and Belgians**

**NORTH BATTLEFORD, SASK.**

...many good, big, sound A1 grade horses, etc. as we now have, and every horse

**Vanstone & Rogers**

Branch at Calgary

**Notice to Stallion Owners**

Renewal enrolment fees are due January 1, 1919.

Anyone having a stallion which has not been inspected

**Notify the Chairman of The Stallion Enrolment Board**

Department of Agriculture, Edmonton, before January 31, 1919, giving his post office address and Section, Township and Range number in order that inspections may be

**P. R. Talbot**, Chairman, Stallion Inspection Board.



# CHEAP LUMBER

Just a little better than the best Just a little cheaper than the cheapest

Our delivered prices, freight prepaid to your station. GOOD UNTIL JANUARY 31 1916

Size	Price	Size	Price
2x4	12.00	2x6	14.00
2x8	16.00	2x10	18.00
2x12	20.00	4x4	22.00
4x6	24.00	4x8	26.00
4x10	28.00	4x12	30.00
6x6	32.00	6x8	34.00
6x10	36.00	6x12	38.00
8x8	40.00	8x10	42.00
8x12	44.00	10x10	46.00
10x12	48.00	12x12	50.00

## Ten Years Co-operative Service

Farmers by co-operating with us for the past ten years have saved thousands of dollars and secured better lumber. How much can we save YOU?

Show us at once if you propose building for our delivered Price List, freight prepaid, and get our FREE PLAN BOOK.

You Want It.

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**SHORTHORNS**

## Dominion Dairy Conference

Second Instalment of Standards Adopted by Dominion Dairy Conference at Ottawa in November

Grade	Butterfat	Protein	Water	Acid	Other
Grade A	8.00	3.50	86.50	0.10	0.10
Grade B	7.50	3.25	87.25	0.15	0.10
Grade C	7.00	3.00	88.00	0.20	0.10
Grade D	6.50	2.75	88.75	0.25	0.10
Grade E	6.00	2.50	89.50	0.30	0.10
Grade F	5.50	2.25	90.25	0.35	0.10
Grade G	5.00	2.00	91.00	0.40	0.10
Grade H	4.50	1.75	91.75	0.45	0.10
Grade I	4.00	1.50	92.50	0.50	0.10
Grade J	3.50	1.25	93.25	0.55	0.10
Grade K	3.00	1.00	94.00	0.60	0.10
Grade L	2.50	0.75	94.75	0.65	0.10
Grade M	2.00	0.50	95.50	0.70	0.10
Grade N	1.50	0.25	96.25	0.75	0.10
Grade O	1.00	0.00	97.00	0.80	0.10
Grade P	0.50	0.00	97.50	0.85	0.10
Grade Q	0.00	0.00	98.00	0.90	0.10

# Royal Purple Stock and Poultry

## Specifics and Foods



**FREE**

## The Great Animal Condition and Fatness



### An Egg Producer and Poultry Conditioner

### More Eggs When Prices are High

Improve the Condition of all Live Stock  
and Increase the Price of Milk


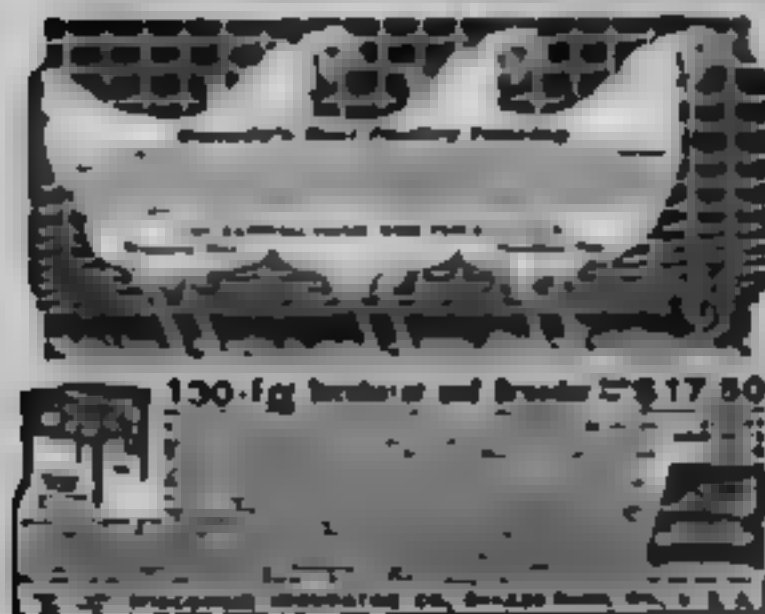
### Fatten Pigs One Month Earlier

You can develop signs at five months old to be joyful under ordinary conditions at six months, cheerful

\* Add up to \$100. Postage in US and 30.00 Tax.

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## Produce More Eggs Waste Less Feed

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 The International English School  
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Producers' Registered Seed

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**BIG MONEY**

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**REGISTERED SEED**

MORE BUSHELS

BETTER QUALITY

**IMPROVED HEAVY YIELDING**

**REGISTERED MARQUIS WHEAT**

in two-bushel bags. Every bag sealed and registered by the C.B.G.A. in lots of 2, 4, 8, 12, 16 and 20 or more bags.

Do not take a chance on your seed supply.

**GET THE BEST**

Buy enough of this "Registered Marquis" to furnish you with sufficient seed for your entire acreage next year.

Our supply is exhausted if you want the

SEND YOUR ORDER TODAY TO

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Get Together Meeting in Alberta

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## Seed Oat Situation

Article No. 6

## Banking by Mail



Bank of Hamilton  
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Head Office Toronto

## Cleaning Seed

**Pembina**

Peerless

**Coal**

Coal Sellers Limited



# The Bank of Toronto

## REPORT OF THE SIXTY THIRD ANNUAL GENERAL MEETING

Head Office in Toronto, Wednesday, 8th January, 1919

operations for the year.

### PROFIT AND LOSS ACCOUNT

The Balance at credit of Profit and Loss, on November 30th, 1917, was

The Net Profit for the year, after making full provision for all bad and doubtful debts, and deducting expenses, interest received on deposits and rebates on current accounts, amounted to the sum of

Toronto General Hospital  
Written off Bank Premises

Carried forward to next year

The production of war materials and supplies continued up to

The Head Office and Branches of the Bank have been inspected by the Inspection Staff and at the Head Office by

Mr. G. T. Clark, C.A., the auditor of the Bank has

The following Branches have been opened during the year —  
Nashville, Markdale and New Lowell, Ontario. Durham and  
at Point St. Charles, Quebec, has been closed

All of which are respectfully submitted

W. G. GOODERHAM,

### General Statement

Deposits bearing interest, including interest accrued to date of statement

Dividends unpaid  
Acceptances under Letters of Credit

Capital paid up  
Reserve

Balance due by other Banks in Canada  
Balance due by Banks and Banking Companies

804,800 87

Provision, at not more than cost, for amounts written off

was adopted. Contributions to various  
Mr. Geoffrey T. Clarkson was appointed

# SEED OATS

We carry the largest stocks of Seed Oats in Western Canada and have made you no doubt be made by delivery shortage. No farmer should purchase his supply but it is fitting to

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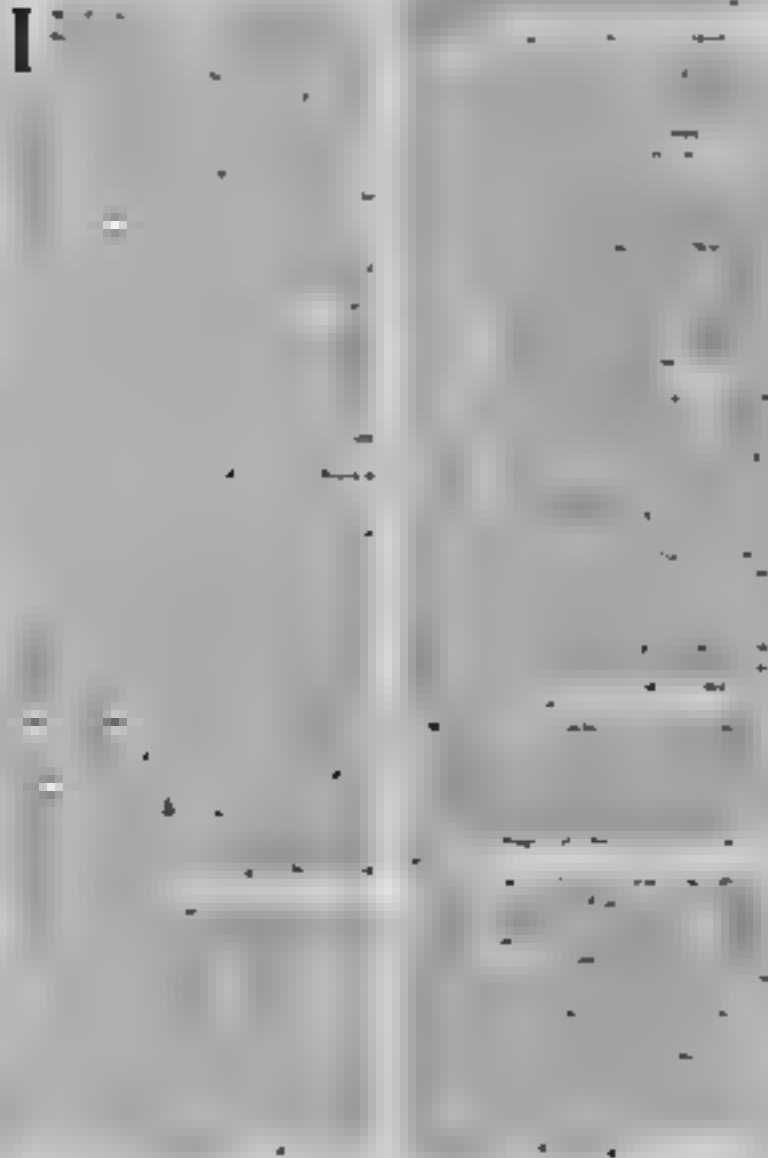
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Proving Oats Growing



The Growing Oats

**Try to Run Your Credit Through 50 Days**

Kinda New

Give Your Credit a Try

**Try to 50 Days FREE**

Kinda New

Give Your Credit a Try

**ARTISTIC TAXIDERMY**

By the way, if you are interested in the work of  
 RAY F. H. HALL AND SON, LAMAR, ILLINOIS  
 600 FULTON and along with you will find the same thing. You  
 will find the same thing in  
 101 Main St. A. W. LARSEN, Winnipeg

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Direct from the Mill to the Wharf  
and the Farm

Sample page

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Rock Island Tractor Tools



11 Year  
Record from Work



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Advertisement for Heider Manufacturing Co.

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Advertisement for Heider Manufacturing Co.



## What Tractor Owners Want

WISE tractor buyers insist upon three features: Their tractors must operate on

satisfactory records in  
dealers and branch  
service that enables farmers to keep their tractors  
never there in work to do. It includes all success-  
ful results.

International Harvester Company of Canada, Limited

## FORMALDEHYDE

WRITE FOR  
PRICES

READY  
FOR NEXT

## STANDARD FORMALDEHYDE Full Strength

When brought on stage like this, standard for the  
Montgomery. Protect your grain next year  
Kill must with Standard FORMALDEHYDE

### Analysis 1918 Stock

Samples taken from a number  
of barrels were tested on  
December 18th, 1918, by  
Prof. J. W. SHIPLEY,  
Assistant Professor, University  
of Minnesota, Agricultural  
College. All showed full  
strength of 40% or over.



**STANDARD CHEMICAL**  
Winnipeg and Lumber Co. of Canada, Limited,  
WINNIPEG.





**\$500.00 SAVED ON THIS HOUSE**  
and better lumber secured by dealing with us.

We Save for our customers Thousands of Dollars

We are today the largest lumber company in the world



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STANDARD LUMBER CO.  
BOSTON

**FROM MILL TO CONSUMER**



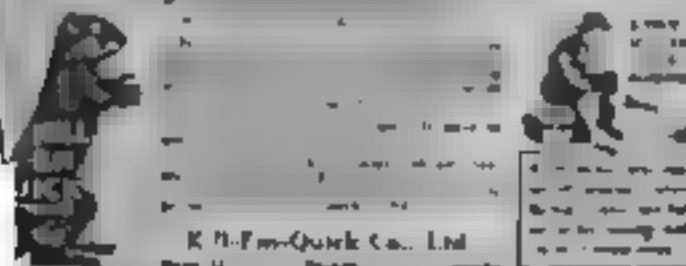
**Don't Let Gophers Drive You to the Poor House**

**Be A Profit Farmer**

Don't let your gophers drive you to the poor house. Kill them with Kill-Em-Quick.

**Kill-Em-Quick Gopher Poison**

It is the most powerful gopher poison ever made. It kills gophers in 24 hours.



**Kill-Em-Quick Co., Ltd.**  
BOSTON

If you do not see what you want advertised in this issue write and let us know and we will put you in touch with the makers



**Positively States That**

the "My Own Gopher Poison" is the best gopher poison in the world.

**"My Own Gopher Poison"**

is the most powerful gopher poison ever made. It kills gophers in 24 hours.

It is the most powerful gopher poison ever made. It kills gophers in 24 hours.



It is the most powerful gopher poison ever made. It kills gophers in 24 hours.

**CATER'S WOOD PUMPS**



**H. CATER**  
BOSTON

**POULTRY BOOK**



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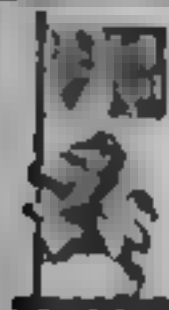
## Sending Money to Soldiers

Those who have friends or relatives at the



## THE MERCHANTS BANK

OF CANADA



## STANDARD BANK

OF CANADA

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Journal of Management Inquiry 20(4) 403-418  
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DOI: 10.1177/1056492611419101

地址：上海南京路100号 电话：021-23112222

Source: *U.S. Census Bureau, 1990*

Canada Permanent Mortgage Corporation  
**MONEY TO LOAN**

## MONEY TO LOAN

### Repayable in Equal Yearly Payments Over a Long Term of Years

For the purpose of this study, the data were collected from the following sources:

**H. L. HARRIS**, Manager  
Harris Corp., St. Louis  
Missouri, U.S.A.

THE JOURNAL OF THE  
ROYAL ANTHROPOLOGICAL INSTITUTE  
OF GREAT BRITAIN AND IRELAND



ESTABLISHED 1876  
**IMPERIAL BANK**  
OF CANADA

OFFICIAL PAPER OF THE STATE OF TEXAS

## Financial Reserves

**B** N Y - a Savings Account as a reserve against  
advertisements. Every branch of the  
bank has a savings department. Interest allowed  
on savings bank

**1980 November**

44 *Proceedings of the Western Canadian*

## Business and Finance

[illegible]

February 11-12-13-14-15

Fig. 5. + = 100%.

**Journal of Management Inquiry** 18(1)

Franklin, D. H., & Ford, R. W.

### The House of Tomorrow

### The Outlook in the West

How the War Affects the World  
In an article reviewing the effect of  
the war upon the world's economy,  
George H. Brown, William H. ...





**FARM  
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# Land for the Soldier

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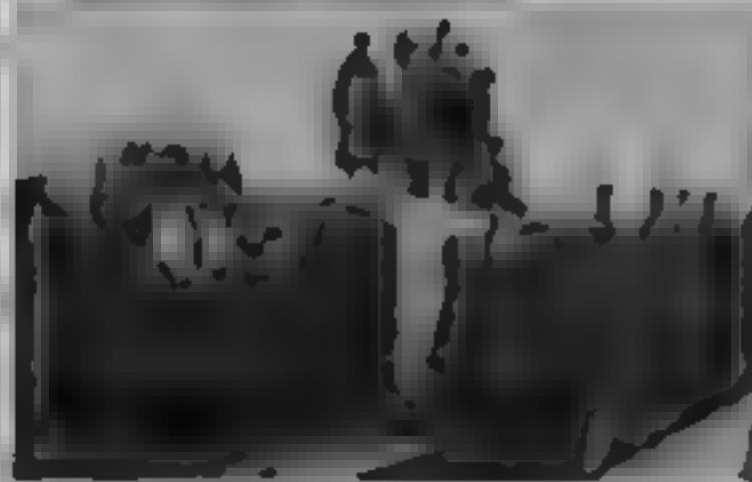
**DOMINION  
SAWS**

**SHOPRIC  
STUCCO BOARD**

**Live Poultry  
WANTED**

**Live Poultry Wanted**

**Live and Dressed  
POULTRY  
Wanted**



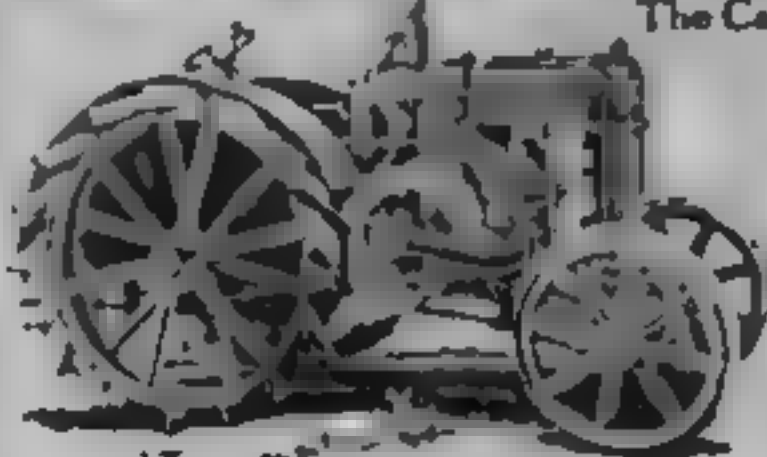
# CASE

## ANNOUNCES

A New 3 or 4 Plow  
Kerosene Tractor

The Case

# 15-27

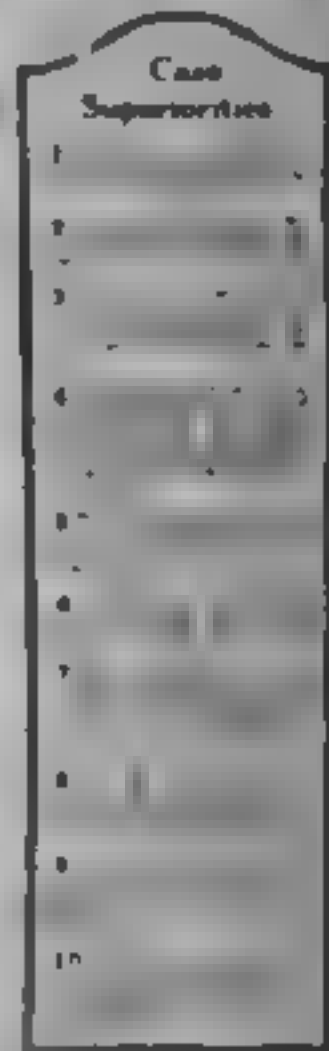


Case  
Superiorities

### Pulls 3 Plows in Hard Plowing— 4 Plows Under Favorable Conditions

Here is the latest Case Tractor as it is being used in the field. It is a 15-27 kerosene tractor, and it is pulling three plows in hard plowing. Under favorable conditions, it can pull four plows. The tractor is shown in a field, and the plows are being pulled behind it. The tractor is a large machine with two large spoked wheels and a smaller front wheel. It has a plow attachment on the front. The plow is being pulled behind the tractor, and the tractor is moving forward. The plow is turning the soil over. The tractor is shown in a field, and the plows are being pulled behind it. The tractor is a large machine with two large spoked wheels and a smaller front wheel. It has a plow attachment on the front. The plow is being pulled behind the tractor, and the tractor is moving forward. The plow is turning the soil over.

J. I. Case Tractor & Machinery Co., Inc., 1000 North 1st St., Chicago, Ill. U. S. A.



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and finally  
annually.



### Get a Galloway MASTERPIECE-SEVEN Engine

30 DAYS' FREE TRIAL

Try it on your own farm or where you do your work. If it is not entirely satisfactory, return it to us at once.

30-40  
To-day  
No  
Time  
Special  
Price

### 1000 IN MONEY FOR YOU

Wm. Galloway Co. of Canada, Ltd.  
WINNIPEG



CLEAN TESTED SEEDS

Get Gophers?  
Kill 'em Quick  
KILL 'EM QUICK

Dealer -  
New York  
New York

BE DO  
AND  
GIVEN



**DUNHAM**  
CULT | PACKER

## The Culti-Packer Fits Your Seed Bed In Record Time—

Would you like to cut the time of filling your seed bed by 50 or 60 percent? A hundred thousand farmers will testify that you can do this very thing with the DuPonts Gatta-Packer.

Here is the way they do it.

First, plow the soil. Then go over it with a disc harrow and follow immediately with the Cult-Packer—you can pull the two tools together if you have a tractor, or separately with horses.

En suite rolls out of left. This will give you a finished roof bed without further work.

77.  $x$  and  $y$  are real numbers such that  $x^2 + y^2 = 1$ . Find the maximum value of  $x^2 + y^2$ .

Not only will you see harvest of wheat but the crop will start sooner, grow faster and yield better because of the good condition of soil.

1. The first part of the paper is devoted to the study of the
 2. properties of the function  $f(x)$  defined by the
 3. equation  $f(x) = \int_0^x f(t) dt$ . It is shown that
 4. the function  $f(x)$  is continuous and
 5. differentiable on the interval  $[0, 1]$ .

### Get This Sell Book

1. The first step is to identify the problem.

Use Your  
Culinary Packaging Expertise

1. The first step is to identify the key components of the system. This includes the hardware, software, and data.

**Call Park & Ride  
For These Lines**

Species	Sex	Age	Weight (g)	Length (mm)	Wing (mm)	Tail (mm)	Bill (mm)	Foot (mm)	Claw (mm)
Male	Male	Adult	120	180	60	40	10	15	5
Female	Female	Adult	100	170	55	35	8	12	4
Male	Male	Immature	80	150	45	30	5	10	3
Female	Female	Immature	70	140	40	25	4	8	2

FOR SALE BY  
John Deere  
Dealers

**The Duham Co.** BEREA, OHIO  
The Mark of Quality



The Datsun Caddy-Packer and John Deere Disc Harrow pulled by Waterloo Boy Tractor.

**Montreal Daily Star**

## WHAT SOLDIERS WANT

[illegible]

*"Ever-Lastingly Good"*

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# FARM LANDS

Business and Education

*Suggestions for Co-operative Effort Between  
Company and Association*

Vol. 1, No. 1

May 1914

A

From page of  
Yellow-back  
Price \$55.00  
or send for

United Grain Growers

Securities Co. Ltd.

1000-1001 Broadway, New York City

STANDARD FARM BOND FUND 1914

## CROWN LIFE

CROWN LIFE ASSURANCE CO., TORONTO



# Drought Insurance

Now An Accomplished Fact

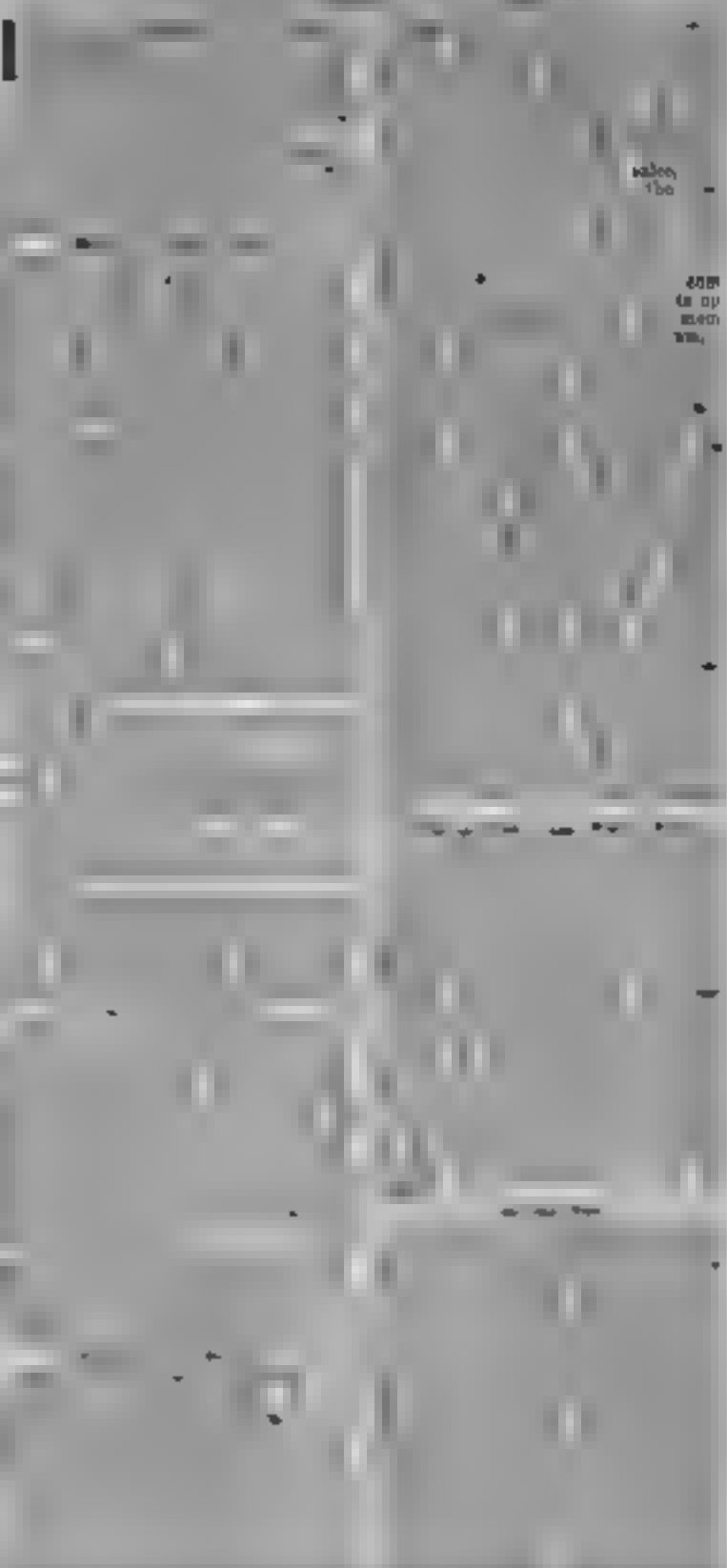
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They

## Grainers' National Platform

1000  
100

2000  
1000  
1000



# FARM HELP WANTED

WANTED: Experienced man for farm work - must be strong capable and honest. Wages \$45 per month and board. A. H. H. H.

WANTED: Man for farm work - must be strong capable and honest. Wages \$45 per month and board. A. H. H. H.



## Here's Your Answer

Dear Mr. Farmer

I have worked all my life on the farm and can do any job that requires power and strength. I never short. I can work 24 hours a day and keep it up day after day. I can pull three plows anywhere in stable too by breaking. I can draw harrows, seeders, binders, and I can run your threshing machine and weed, or chop grain.

I don't want any wages, or board. You give me horses in proportion to the work I do. I can give you highest reference as I have worked for thousands of farmers and have always given more satisfaction.

Yours truly

**WALLIS**

P. O. Box 100, Wallis, B. C.

A Hard Worker in any Weather, Wet, Hot or Cold



**BURNS KEROSENE**

The Canadian  
**Farbans-Morse Co.**  
LONDON  
Winnipeg Calgary  
Saskatoon

**MASTER**  
**OVERALLS**  
  
Reduce  
The  
High Cost  
of  
Working  
  
Where is a man  
not present in  
the top of his  
class of work?  
Keep it.

**RAW FURS**  
It will pay you to ship your Furs in our this season.  
100,000 MUSKRATS 10,000 WOLVES  
**Dominion Fur Co.**  
101 PRINCE STREET WINNIPEG, MAN.


**A GREAT PARCEL POST OFFER**  
  
GRANT & MONTGOMERY Dept. 400 317 Queen St. Toronto Ont.



## Western Canada Law

because every person owning a copy of this book  
learn the essential facts about the laws that go  
governing many UNLAWFUL legal con

## Free Trial



*Polymer Letters*

## The Camp Grounds Guide

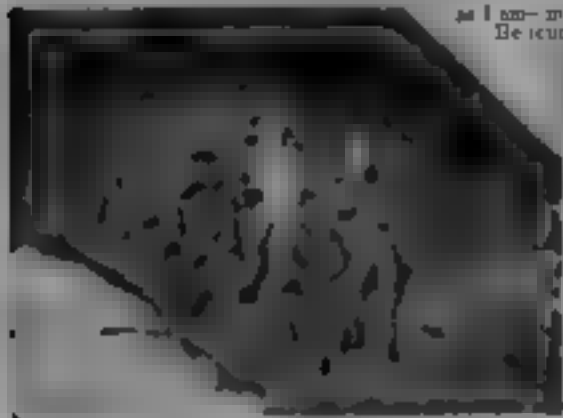
*The Great Christianity*  
By Rev S. G. Bland, D.D.



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# The Zero Hour

(Continued from Page 7)

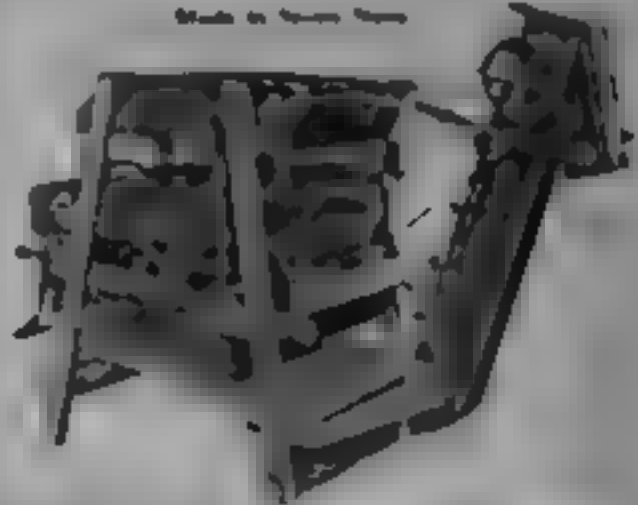


as I am—most of those  
He found consolation  
bravely to

## Bull Dog Fanning Mills

Capacity of machines we manufacture from  
25 to 1000 bushels per hour

Made in Great Britain



Twin City Separator Co. Limited

PERCHERONS BELGIANS

## Eat Fish

CAMROSE FISH COMPANY

Box 214, Phone 219 CAMROSE, ALBANY

## RAW FURS

WIDE. WOOL  
SINCLAIR ROY

Try This  
Week's  
Special  
Offer

100%  
Xmas

The first part of the paper discusses the importance of the
 *Journal of Management Education* in the field of management
 education. It highlights the journal's role in providing
 a platform for the dissemination of research findings and
 the advancement of the discipline. The second part of the
 paper focuses on the journal's commitment to diversity and
 inclusion, emphasizing the need for a more equitable and
 inclusive research agenda. The third part of the paper
 discusses the journal's efforts to promote the use of
 research in management education, highlighting the
 importance of evidence-based practice. The fourth part of
 the paper discusses the journal's commitment to
 transparency and accountability, emphasizing the need for
 open access and the sharing of research data. The fifth
 part of the paper discusses the journal's commitment to
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 innovation. The sixth part of the paper discusses the
 journal's commitment to the advancement of the
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 part of the paper discusses the journal's commitment to
 the service of the field of management education,
 highlighting the importance of providing a platform for
 the advancement of the discipline.

The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1900:

**International Editions**

interpersonal and international relations have been respectively the mainstay of the domestic and international bodies of the United States.

**Labour Saving Machinery Free**



Figure 1. The effect of the concentration of the polymer on the gelation time of the polymer solution.

[illegible]

**Franchise Fee**

**Product Overview**

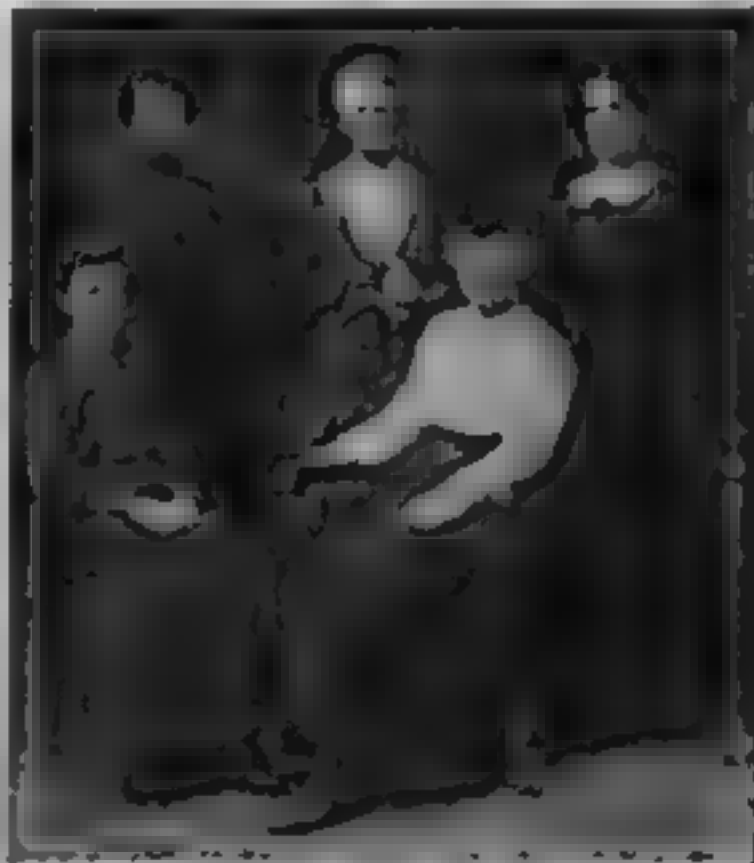
Table 1. Frequency of response

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# International Fraternity

**The 5-4-3-2-1**

10



Language: English

# Farm Women's Clubs

**N**ew York State  
Farm Women's Clubs

May 1914

Volume 1, No. 1

Page 1

June 1914

July 1914

Are You a Subscriber?



August 1914





## Club Feet

It is a fact that the majority of children with club feet are not selected cases - in fact, they are not plaster cases at all.



is not a selected case - in fact, they are not plaster cases at all.

### For Crippled Children



## DAYLITE

THE LAMP

**NOTE PRICES**

**\$10.00**

**\$4.25**

**AN IDEAL LAMP FOR THE HOME**


It is the only lamp of its kind that can be used in any room.

**THE DAYLITE CO. 1100 Broadway Exchange, NEW YORK, N.Y.**

## Length of Service—

Not Price

### Makes Any Article a Good Value



which does not give long service. The Pinnar you buy

**Mason & Risch**

**1100 Broadway Exchange, NEW YORK, N.Y.**



**Wish I Could**

**Knit Dollars**

**You Can**

**The Auto Knitter**

It is the only machine of its kind that can be used in any room.

**W. H. H. & Co.**

**1100 Broadway Exchange, NEW YORK, N.Y.**



## ROBES

It is the only machine of its kind that can be used in any room.

**W. H. H. & Co.**

**1100 Broadway Exchange, NEW YORK, N.Y.**





**5.00**

**3.50**

**W. H. H. & Co.**

**1100 Broadway Exchange, NEW YORK, N.Y.**



**Repairing of**

**Watches and Jewelry**

**JACKSON BROS.**

**1100 Broadway Exchange, NEW YORK, N.Y.**

First Annual Report

Splendid Year's Work

Page 11 of News



## The Sunny South and Clever Novelties

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99. Love Love Love Love Love Love	100. Love Love Love Love Love Love

All Columbia Gramophone Records and Records Play them for you  
New Records for the 20th of the month

# Columbia Records.

# Young Canada Club

The Cold North Wind

L. DIXIE PATTON

and I think

A Jolly Story of a Dog

My First Trip

A Fox

THE YOUNG CANADA CLUB



YOU CAN SELL VALENTINES  
Boys' Real Rifle Given



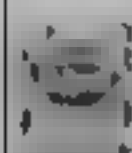
Valentines for Everybody  
REAL BIG BABY DOLL  
GIVEN



Everybody Wants Valentines  
MILITARY WATCH GIVEN



8 BIG FAMILY GAMES 10



Improve  
Your Bread  
No Mayde  
Bread Improver

Ho Mayde Products Co

Screenings

After a Hard Day's  
Work



DRINK  
**Coca-Cola**

NEEDS  
That delicious beverage  
to refresh you, make  
you feel like you're  
getting a truly  
refreshing  
beverage.  
When you're  
tired, you need a  
beverage that's  
refreshing.  
Coca-Cola is  
the beverage  
that's  
refreshing.

**HORROCKSES,  
CREWDSON** COMPANY LIMITED

Cotton Spinners and Manufacturers

PRESTON, BOLTON,  
LONDON, MANCHESTER, { ENGLAND.

Longcloths, Gaiacoss, Flannettes,  
Nainsooks, Madapolams, Pillow  
Cottons, Sheetings, Ducks, Drills,  
Aeroplane Cloths, etc.

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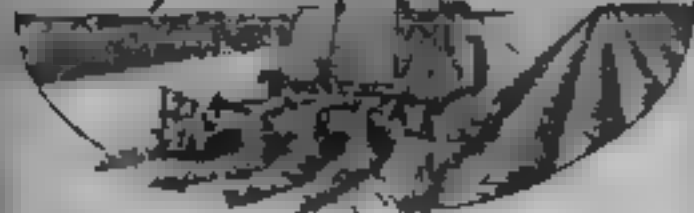
Out of a total of 8,000 looms, about three or four  
were entirely engaged upon the manufacture of  
drills for the use and equipment of the soldiery  
of British and Allied nations.

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BRANDED IN ALL PARTS OF THE WORLD

## The "GRAY" turns Deep, Even Furrows



The advantage of the wide drive drum as used in the "Gray" Tractor is greater traction surface and the elimination of any jarring. The wheel being driven over a high spring or rutting or hard or wet soil will prepare 60 acres of seed bed in a ten hour day.

### Special Features

1. Wide drive drum  
2. High spring  
3. Heavy duty  
4. Large wheels  
5. Strong frame  
6. Easy to operate  
7. Low cost  
8. Long life  
9. Reliable  
10. Safe

Our Illustrated Brochure supplies the Gray in detail. WRITE FOR IT

**Gray Tractor Co. of Canada**  
207-8 Electric Railway Chambers  
WINNIPEG, MAN

Alberta Representative: M. D. PERRY

11 Market & Bloor Streets, 100 Avenue W. Calgary, Alta.

## Happy Farmer TRACTOR

Heavy Spring Shipping May Cause Delay  
**SEND YOUR ORDER NOW**

### Specifications

1. 12 H.P. engine  
2. 12 H.P. engine  
3. 12 H.P. engine  
4. 12 H.P. engine  
5. 12 H.P. engine  
6. 12 H.P. engine  
7. 12 H.P. engine  
8. 12 H.P. engine  
9. 12 H.P. engine  
10. 12 H.P. engine

### Happy Farmer Is the Tractor You Need

It is the most powerful tractor ever made. It will pull 12 H.P. engine. It is the most powerful tractor ever made. It will pull 12 H.P. engine.

Write now for full details to Clydesdale Tractor

Buy Now  
12 H.P. engine  
12 H.P. engine



Gasoline Engine and Tractor Co. Ltd.

100-102 St. James St. W. Winnipeg, Man.

### Raw Furs

Trappers, Traders and Farmers

We have a large stock of raw furs of all kinds and sizes. We are also interested in buying raw furs of all kinds and sizes. Write for our price list.

**A. & E. Pierce & Co.**

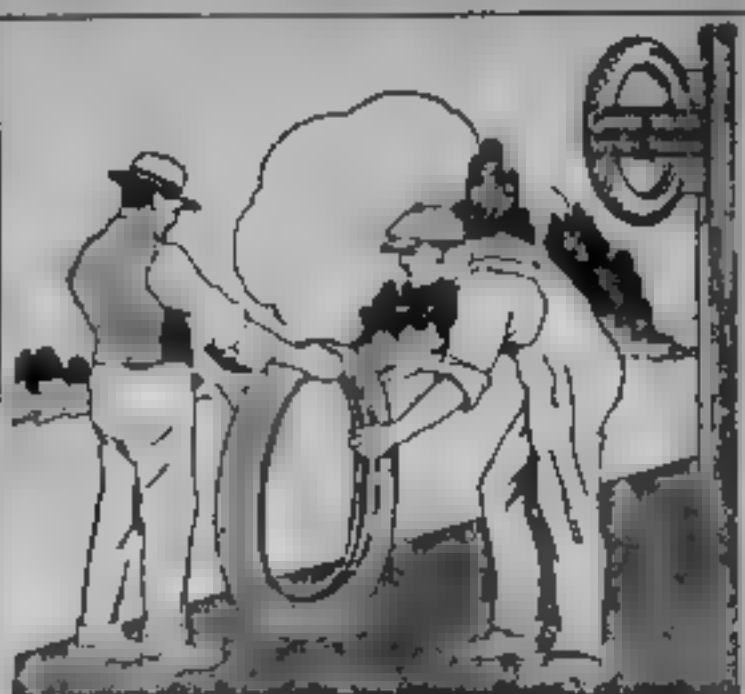
The General Furs and Fur Products Co.  
100-102 St. James St. W. Winnipeg, Man.

### COME TO HEADQUARTERS FOR COTTON SEED MEAL and CAKE

For Details  
1. 12 H.P. engine  
2. 12 H.P. engine  
3. 12 H.P. engine  
4. 12 H.P. engine  
5. 12 H.P. engine  
6. 12 H.P. engine  
7. 12 H.P. engine  
8. 12 H.P. engine  
9. 12 H.P. engine  
10. 12 H.P. engine

**F. W. BRODE & CO.**

MEMPHIS, TENN.  
Traders, Wholesalers, Retailers



## When to Figure the Cost of Tires

**YOU** can't tell what your tires cost *until they are worn out.*

Certainly, what you paid for them is not the real cost.

No man with sound business sense would figure his tire cost at so much per tire. That would not tell him what it was costing to run his car.

The cost of tires must be figured at so much a mile.

A tire at \$25 might cost more than a \$30 tire—that is, more per mile of actual service.

It was when men started to buy tires on their cost-per-mile reputation that the Goodyear business forged ahead. Today Goodyear is the world's most popular tire—a world-wide sale built on the low cost-per-mile of millions of tires.

Buy Goodyear Tires and keep down the operating cost of your car. The Goodyear Service Dealer will be glad to help you.

**The Goodyear Tire & Rubber Co. of Canada, Limited**

**GOODYEAR**  
MADE IN CANADA





## STOCK (Miscellaneous)

**TWO ALABAMA STOCK FARM HAVE FOR** sale a number of Southern hogs and lambs; also well-bred stallions, gray horses and mares. Correspondence solicited. E. H. Ross, Alameda, Sask.

**FOR SALE—DUBOC-JERSEY SWINE AND** White-Kyandine chickens. J. J. Kerr, Good Hope, Sask.

**WELSH—ATLANTIC AND ORELANDS,** young stock from \$50 to \$100. John T. Jones, Alameda, Sask.

**GLADWAY BULLS, REGISTERED, FOR SALE,** from \$10 to \$200. R. A. Walker, High River, Alta.

## HORSES

**ATTENTION, HORSE BREEDERS—BELGIAN** stallions for sale, "Duchess Jr." 1880, eight years old; his sire and dam both imported; a pure race, weight a ton. We are also offering 20 purebred stallions from five years and down, bred by him and from Miss and Clyde mares. These stallions are sold at a sacrifice as we need the mares for over 100 Holsteins with eggs to come. The mares are well grown and will make big heavy draft horses. They will grow into a lot of money for the man that gets them. We would not think of selling them if we had the mares. If you want them and the stallion it will pay to get at once as we can't keep them for long. Inspection and correspondence is invited. Address: W. L. Housh, Lakeland Farm, R. 2, St. Joseph, Ont.

**FOR SALE—IMPORTED STOCK HORSES,** "Everness," 1870, by "Everlasting," in good condition, weighing a ton. "Purple Comet," 1880, four years old, grey and dam imported, show year winners, well broken in harness. "Purple Wyand," 1890, three years, from imported stock, extra good quality. Horseable price. Breeder of Lord S. M. Cranfill, Purple Stock Farm, Cranfill, Man.

**CLYDEDALE STALLIONS—"PROUD CAVA-** lion," 1878, rising seven-year-old, "Proud Edward," four-year-old gelding. Also "McKenna's Prince," 1872, rising five; good quality horse, weighing 1500. Breeder of Lord S. M. Cranfill, Purple Stock Farm, Cranfill, Man.

**CLYDEDALE STALLION, RISING THREE** years, delivered \$300. Blackbay stallion, rising three years, delivered \$250. Both horses A1 and asked to sell. H. Housh, Greenway, Man.

**A LARGE PROPORTION OF GRAIN FED TO** horses raised with body and action is needed. Purebred Stock Farm will raise them and sell them. Write to: Purcell Products Company, Brandon, Man.

**PURCHERON STALLIONS—ONE 6.5, 6.8,** 6.9 three years; one black, one grey, rising two years; two grey rising one year. W. R. Barker, Indianapolis, Man.

**PURCHERON STALLIONS AND MARES—**Stallions sold on blood terms, mares offered for cash only. J. E. Graham, St. Marys, Sask.

**H. A. WALKER & SONS, CARMEL MAN,** Breeder of Clydesdales. Mares and stallions for sale.

**FOR SALE—A THREE-YEAR-OLD PURE** bred white Friesian stallion. R. Thomson, Girdleford, Sask.

**PURE-BRED BELGIAN STALLIONS AND** mares for sale. Louis Nachtergale, North Bayfield, Sask. Phone 344, ring 4.

**REGISTERED CLYDEDALE STALLION, RISE-** ing five, weight eighteen hundred. Price reasonable. C. H. Anderson, Marquis, Sask.

**WHEATERS' MEN NOTES FOR COLLECTING,** 50 cents. Station service books, 25 cents. J. H. Graham, Saskatoon, Sask.

**WANTED TO BUY ONE PAIR OF YOUNG** purebred Clydesdale brood mares. Must be good ones. A. N. Campbell, Airdrie, Sask.

**FOR SALE—REGISTERED CLYDEDALE** stallion, six months old, nicely marked. Gordon Roberts, Niasse, Man.

## STOLEN OR STRAYED

**STRAYED ON DECEMBER 10, FROM SECTION** 21, township 20, range one, west of the third ridge—Two brown geldings, one brown mare, one bay mare, two grey geldings, one grey mare, two black mares, one roan mare. All horses weighing from 12 to 14 hundred pounds. Reward. Apply to George Skanes, Virdia, Saskatchewan.

## DOGS

**ONE RUSSIAN MALE BOUND, PURE-BRED,** age two and a half years, extra fast, good looking, tried in the white and brown. "Duke Alpha," price \$50. One fox head, female, trained on wolf, fox, etc. Five years, price \$25. One greyhound, age 18 months, untrained, pure grey, price \$35. One female Russian blood, untrained, about 28 inches, price \$45. Do not sell on trial or ship C.O.D. W. C. Davis, Springfield, Sask.

**WOLF BOUND PUPS, AGE SIX MONTHS,** no training from "Duke Alpha," Russian male and a well-bred grey female. These pups are smooth coated, tall, fine, strong, color blue and white. Price each \$15. W. C. Davis, Springfield, Sask.

**SCOTCH COLLIE, TWO-THREE MONTH** old, imported, \$20. Pure-bred domestic, \$15. Grays, males, \$10; females, \$8.50. Gustaf Berthier, Watrous, Sask.

**PAY YOUR OUT-OF-TOWN ACCOUNTS BY** Dominion Express Money Orders. Five dollars, send three cents.

## FARMERS' MARKET PLACE

Want to Buy, Sell or Exchange

## RATES ON CLASSIFIED ADVERTISING

Seven Cents Per Word—Per Week

Address all letters to The Grain Growers' Guide, Winnipeg, Man. Count each initial as a full word, also count each set of four squares as a full word, as for example: "T. P. White has 3,000 acres for sale" contains eight words. Be sure and sign your name and address. Do not have any answers come to The Guide. The name and address must be counted as part of the advertisement and paid for at the same rate. All advertisements must be classified under the heading which applies most closely to the article advertised. No display type or display lines will be allowed in classified advertisements. All orders for classified advertising must be accompanied by cash. Advertisements for this page must reach us seven days in advance of publication day, which is every Wednesday. Orders for cancellation must also reach us seven days in advance.

## CATTLE

**SHORTHORNS—TWO ROAN BULLS, THREE** cows, all bred; two will calve March 1; two first prize winners, other bulls averageable (ribbed). Prices reasonable. Address on two or more purchased together. T. G. Cornell, Wilcox, Sask.

**SHORTHORNS—20 BULLS, 4 MONTHS TO** 1 year; 20 calves, rising 2 years, not bred, bred by imported bull; 30 young cows and calves in calf, mostly by Dubs of Saskatoon, west of Calgary, Alberta. Prices reasonable. Address on two or more purchased together. J. Housh & Sons, Macgregor, Man.

**BRED POLLS—THE DUAL-PURPOSE BREED** unsuited for either milk or beef, early maturing, docile and uniform in color and shape. Ideal breed for the farmer. Have good young breeding stock for sale. Fort Campbell Ranch, Gladwin, Sask.

**FOR SALE—PURE-BRED ABERDEEN-ANGUS** bull calves, eight months old. Pure-bred Redden cows, \$500. Rose Comb B.I. Red cowheifers, \$250. Cowherd and Kitching, Goodwater, Sask.

**FOR SALE—60 HEAD REGISTERED PURE-** bred cattle: 12 bull calves; 12 heifer calves; 25 yearling cows and calves in calf; 12 registered. Breeder's plan. J. R. Bird, Piquette Stock Farm, Rosedale, Sask.

**HEREFORD CATTLE FOR SALE—YOUNG** bulls and a few young cows in calf to "Rosalie Fairlie," 21511, and "Baron of Aroch," 20801. C. J. L. Field & Sons, Rosedale Farm, Macdonald, Sask.

**WANTED TO BUY AT ONCE ONE PUREBRED** Hereford bull and five registered Hereford before weaning preferred. When writing state age and cash price. Thos. B. Young, West Sunnyside, B.C.

**SELLING—REGISTERED ABERDEEN-ANGUS** bull calf, low blocky type. Box 58, Dalgair, Sask.

**AYRSHIRE—BOTH SEX, THREE BULLS,** two 12 months, one two months. James H. McQuinn, Manar, Sask.

**WORLD'S CHAMPION RED POLLED CATTLE,** Jess Du Luth Farm, Duluth, Minn. Bulls for sale.

**ABERDEEN-ANGUS CATTLE, SANDY LAKE** Stock Farm, Conn. Elect. S. Blomquist, Alta.

**FOR SALE—SHORTHORN BULL, 12 MONTHS,** reg. No. 124731. Apply, Battle Bros., Elie, Man.

**REGISTERED RED POLLED CATTLE—STOCK** for sale. E. & W. Danbrough, Laura, Sask.

**BROWN BROS., NEWBORN, 2-ONE, BREED-** ers of Aberdeen-Angus cattle. Stock for sale.

**ABERDEEN-ANGUS BULLS FOR SALE, PETE** Patterson, Rosedale, Man.

**REGISTERED HOLSTEIN BULL CALF FOR** sale. L. E. Hoffman, Borden, Sask.

## SWINE

**BRED SOWS—REGISTERED DUBOC-** Jersey, from our large prize herd. Have the cleanest and classiest type of sows now in the country that we have ever offered. Lots of imported blood of well-known lines of breeding. For full particulars write J. W. Bailey & Son, Importers and Breeders, Watawin, Alberta.

**FOR SALE—TOWNSHIP, BOTH SEXES,** spring litters. Also a fine lot of Barred Rock cockerels and pullets, from imported stock. Phone Carman Exchange. Andrew Graham, Redford, Man.

**IMPROVED YORKSHIRES—A FEW CHOICE** hogs and sows, from prize-winning stock. Showers bulls and females for sale. Only 3 choice Oxford ram lambs left. A. D. McDonald & Sons, Nepean, Man.

**SELLING—DUBOC-JERSEYS, TWO MALES,** May litter, bred by "Chief Danes," champion 1918, \$30 each. Hops, Roads 2, Calgary, Alberta.

**GOOD YORKSHIRE HOGS, QUALITY AND** breeding; also sows, bred. A. M. Cranfill, Purple Stock Farm, Cranfill, Man.

**CHRYSTER WHITE SWINE FOR SALE—12** registered sows, sold in pig to registered boar. Apply, John W. Houston, Oshkosh, Man.

## SHEEP

**BREED FOR SALE—GOOD GRADE EWES** bred to Shropshire and Oxford rams. Please write or call. Messrs. Dore & Sons, Carleton Place, Ont.

**SHEEP—LARGE SHROPSHIRE EWES ALSO** good range ewes, bred. E. F. McWilliams, Yorkton, Sask.

**800 GOOD YOUNG EWES, BRED TO SHROPS-** hire and Oxford rams. G. R. Haffner, Ponoka, Sask.

**WANTED—A CUB OF SHEEP. J. R. GRAMAM,** Redfield, Sask.

## HAY FOR SALE

**FOR SALE—LARGE QUANTITY PRIME** hay, baled. For prices write J. R. Coase, Querny, Sask.

**SELLING—FOUR CABS GOOD SLOUGH HAY,** \$15 per ton as one cab. Frank Wilson, Carleton Place, Sask.

**FOR SALE—CHOICE PRIME HAY, \$15.00** per ton f.o.b. Borden. Oscar Brown, Borden, Sask.

**FOR SALE—800 TONS BALED PRIME HAY,** White, Fred A. Wolfe, Watrous, Sask.

## Let The Guide Sell Your Eggs for Hatching

With hundreds of the best breeders in Western Canada The Guide has demonstrated its ability to produce sales from classified ads. After all this is the important thing—can the ads. sell the stuff? The following letters will answer for The Guide.

## CAUSE

These were the ads. they ran:

**GUARANTEED PURE—BRED WHITE** Wyandotte cockerels, \$3.00 each. Hatching eggs in season, \$3.00 per 50; \$6.00 per 100. H. Wyler, Lussland, Sask.

**MOPSA EGGS FROM BRED-TO-LAY** Barred Rocks, all winter layers, not just March starters, \$2.00 per 15; \$3.50 per 30; \$7.00 per 45. W. E. Barker, Delamater, Man.

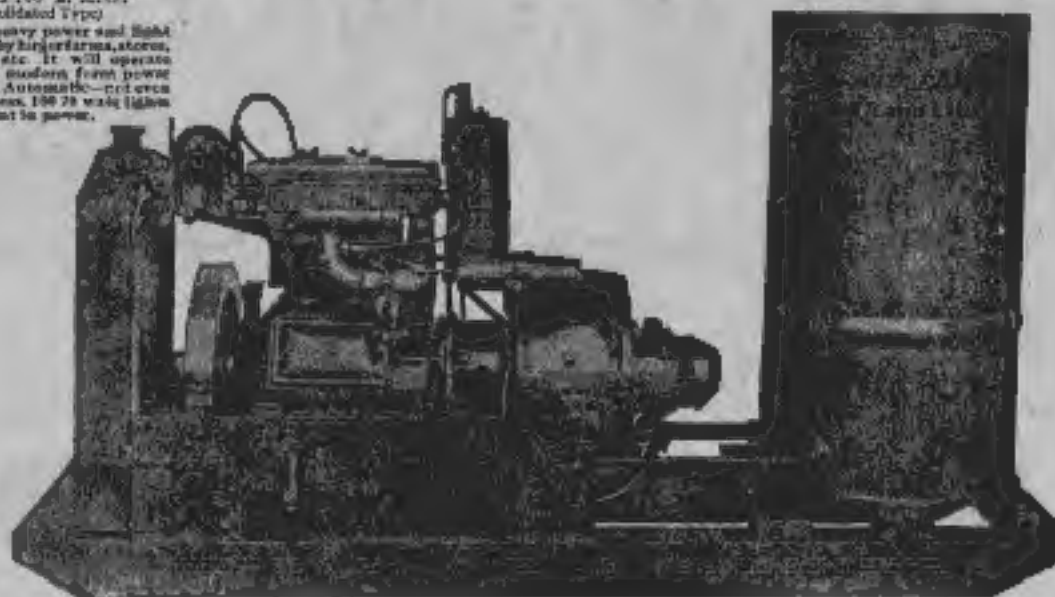
**BARBONS LARGE BRED-TO-LAY** Single Comb White Leghorns, from \$1.00 (f.o.b.) \$1.00 (f.o.b.) \$2.00 (f.o.b.) \$3.00 (f.o.b.) \$4.00 (f.o.b.) \$5.00 (f.o.b.) \$6.00 (f.o.b.) \$7.00 (f.o.b.) \$8.00 (f.o.b.) \$9.00 (f.o.b.) \$10.00 (f.o.b.) \$11.00 (f.o.b.) \$12.00 (f.o.b.) \$13.00 (f.o.b.) \$14.00 (f.o.b.) \$15.00 (f.o.b.) \$16.00 (f.o.b.) \$17.00 (f.o.b.) \$18.00 (f.o.b.) \$19.00 (f.o.b.) \$20.00 (f.o.b.) \$21.00 (f.o.b.) \$22.00 (f.o.b.) \$23.00 (f.o.b.) \$24.00 (f.o.b.) \$25.00 (f.o.b.) \$26.00 (f.o.b.) \$27.00 (f.o.b.) \$28.00 (f.o.b.) \$29.00 (f.o.b.) \$30.00 (f.o.b.) \$31.00 (f.o.b.) \$32.00 (f.o.b.) \$33.00 (f.o.b.) \$34.00 (f.o.b.) \$35.00 (f.o.b.) \$36.00 (f.o.b.) \$37.00 (f.o.b.) \$38.00 (f.o.b.) \$39.00 (f.o.b.) \$40.00 (f.o.b.) \$41.00 (f.o.b.) \$42.00 (f.o.b.) \$43.00 (f.o.b.) \$44.00 (f.o.b.) \$45.00 (f.o.b.) \$46.00 (f.o.b.) \$47.00 (f.o.b.) \$48.00 (f.o.b.) \$49.00 (f.o.b.) \$50.00 (f.o.b.) \$51.00 (f.o.b.) \$52.00 (f.o.b.) \$53.00 (f.o.b.) \$54.00 (f.o.b.) \$55.00 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